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PLUMBING

PIPE

CATALOG 85

2425 MALT AVENUE, LOS ANGELES 54, CALIFORNIA

POST OFFICE BOX 2421 . TERMINAL ANNEX

TELEPHONE: UNderhill 0-5484 · AFTER DEC., 1953, RAymond 3-5484

PROTO TOOLS

A complete line of quality tools designed and manufactured to exceed the rigid requirements of industrial and professional tool users. Produced by modern manufacturing methods from specified alloy steels, PROTO tools are properly forged and scientifically heat-treated to assure long life and high efficiency.

PROTO means PROfessional TOols

Pliers

Many styles and sizes available. Have good balance, correct leverage, properly shaped gripping teeth, sharp perfectly matched cutting edges and patterned sure-grip handles. Made from fine high-grade steels.

Nos. 201 & 202 Thin Nose Slip Joint Pliers



Slim nose reaches into tight places. Two jawopening adjustments and shear-type wire cutter. Handy for car owners and mechanics.

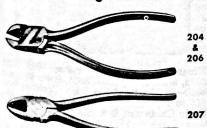
NO.	LENGTH	EACH
201	5"	\$1.00
202	6"	1.00
	One in a Box	

No. 203 Thin Bent Nose Slip Joint Plier



Nose offset 30°. Pulls small nails and staples. Useful around home. Two jaw-opening adjustments and shear-type wire cutter. Length, 7", Wt., .43 Lb. One in a Box..... Each \$1.45

Nos. 204, 206 & 207 Diagonal Cutting Pliers



Narrow jaws work in congested places. Useful for switchboard, telephone, ignition and other electrical work.

WOL	K.	
NO.	This process to the first	
204	LENGTH	EACH
206	41/2"	\$2,50
207	6"2	2.80
	7"	3,00
	One in a Box.	11 7,65, 0,00

No. 209 Heavy-Duty Diagonal Cutting Plier



Joint close to short jaws provides great leverage. Cuts heavy wire. Length, 7". Wt., .49 Lb. One in a Box. Each \$2.55

No. 218 Angle Nose Battery Plier



Thin jaws at 30° angle make terminal nuts easily accessible. Jaws take sure hold. Length, 8". Wt., .40 Lb. One in a Box..... Each \$1.45

No. 226 Needle Nose Side Cutting Plier



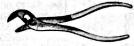
Long thin nose and strong, sharp side cutters ideal for radio, telephone and other electrical work. Length, 6". Wt., .28 Lb. One in a Box.

No. 227 Duck Bill Plier



For carburetor, radio, refrigerator, electrical typewriter, office machine and many other types of work. Length, 8". Wt., .31 Lb. One in a Box. Each \$3.00

No. 235 Slip Joint Ignition Plier



For ignition work and many other uses where narrow jaws are needed. Three

jaw-opening adjustments. Length, 4½". Wt., .06 Lb. Six in a Box. Each \$1.85

No. 239 Wrench Plier



Long, slim 20° offset nose and three jaw-opening adjustments. Jaws give powerful grip. Length, 8". Wt., .54 Lb. One in a Box.

Each \$2.25

240

Nos. 240 & 241 General Utility Pliers



All-purpose type, with five jaw-opening adjustments. Teeth shaped as in pipe wrench, insuring positive grip on round objects.

NO.	TYPE DUTY	LENGTH	EACH
240	Heavy	91/9"	\$2.70
241	Light	91/2"	1.90
	One in	Roy	

No. 243 Multiple-Groove Joint Plier



Curved tongue-and-groove type joint holds jaws securely in any position and takes strain off bolt. Five grooves provide wide range of openings for handling hundreds of jobs. Length, 9½". Wt., .81 Lb. One in a Box.

No. 246 Combination Slip Joint and Side Cutting Plier



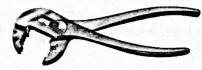
Cuts most wire and nails with ease. Two jawopening adjustments. Length, 6". Wt., .49 Lb. One in a Box. Each \$1.65

No. 250 Lock Ring and "Horseshoe" Washer Plier



Spreads both soft iron "horseshoe" lock washers on auto brakes and contracting-type tempered steel lock rings on shafting. Length, 8". Wt., .33 Lb. One in a Box. Each \$2.60

Nos. 236 & 238 Parrot **Nose Wrench Pliers**



Combination plier and pipe wrench design, with 75° offset nose and four jaw-opening adjustments. Ideal for pipe and tubing work.

NO.	LENGTH	FACH
236	6"	\$1.75
238	71/2"	1.95

No. 258 Gas Plier



For studs, tubing and pipe. Handles two tube size ranges. Jaw ends have lengthwise teeth. Length, 8". Wt., .62 Lb. One in a Box.

Each \$1.95

No. 260 Long Thin Nose **Telephone Plier**



Popular for telephone and radio work. Thin nose gets into tight places. Shear-type wire cutter. Length, 6". Wt., .25 Lb. One in a Box. Each \$1.55

Nos. 266 & 268 Lineman's **Side Cutting Pliers**



For wiring and electrical equipment installation and maintenance. Sharp edges stand hard usage.

LENGTH	EACH
6"	\$2.65
8".	3,50
	6"

Nos. 275-280 Slip Joint Pliers

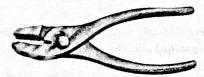


Leaders for utility, design and service. Two jaw-opening adjustments and shear-type wire

NO. 275 276	LENGTH 5"	\$.90 .90	NO. 278 280	8" 10"	\$1.35 1.70
2.0		One in	a Box		

PROTO TOOLS

No. 257 Heavy-Duty Universal Plier

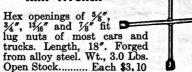


Curved jaw grips objects of almost any shape. Other jaw is grooved for gripping wire, etc. Shear-type wire cutter and two jaw-opening adjustments. Length, 7". Wt., .58 Lb. One in a Box. Each \$1.65

Bolt & Nut Only for Pliers

NO.	EACH	PLIERS	NO.	EACH	PLIERS	
201B 202B	.03	201, 275 202, 203,	238B 240B	.03	238 240, 243	
202.0	.03	236, 239,	241B	.07	241	
235B	.12	276, 278 235	246B 280B	.03	246, 257 280	

No. 2151 Four-Way Rim Wrench



Reflex-Type **Torque Wrenches**



Noted for speed, laboratory accuracy and control by THREE senses—feeling, sound, sight. Employs reflex muscular reactions. When preset reading is reached, impulse is imparted to hand and loud click is sounded, causing automatic release. Sturdy, one-piece flat beam measuring element is permanently accurate.

NO.	ITY FTLBS.	ATIONS FTLBS,	SQ. DR.	LENGTH	EACH
6025	0-25	1	3/8"	16"	\$32.00
6050	0-50	21/2	1/2"	16"	32.00
6100	0-100	5	1/2"	171/2"	29.50
6150	0-150	5	1/2"	201/2"	43.55
6200	0-200	5	3/4"	281/2"	56.20
6300	0-300	10	3/4"	343/4"	74.80
	INLBS.	INLBS.	6-94		
60300	0-300	121/2	3/9"	16"	32.00
60600	0-600	25	3/8" 1/2" 1/2"	16"	32.00
61200	0-1200	50	1/9"	171/2"	29.50
61800	0-1800	100	1/2"	201/2"	43.55
62400	0-2400	50	3/4"	281/2"	56.20
63600	0-3600	100	3/4"	3434"	74.80
STEEL ST.	racii so	Open S		usi hem	

Open End Wrenches

Military Data

Description: "Engineer's Pattern, 15° Head Angle, Spear Head." Specs.: MIL-W-15751A, Type V, Style B; or GGG-W-636, Style 1 or 2, Class B.

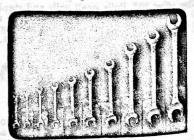


Slim, scientifically tapered jaws reduce width of pear-shaped heads to permit work in close of pear-shaped house to points of greatest strain. Jaws have minimum overhang to speed setain. Jaws nave minimum overning to speed seating on nut and increase strength. Heads at 15° angle permit turning arc of only 30°. Streamlined shanks are easy on hands. Forged from alloy steel. Chrome plated.

NO.	NOMINAL OPENING SIZES	HEAD THICK- NESS	OVER- ALL LENGTH	EAGU
3016	*16" x 1/4" 1/4" x 2/6" 1/4" x 2/6" 1/4" x 2/6" 1/2" x 1/2" 1/2" x 1/2" 1/2" x 1/4" 1/6" x 1/4" 1/6" x 1/6"	11,64" 11,64" 18,64" 7,82"	41/8" 41/2" 47/8" 51/4" 55/8"	\$.70
3018	1/4"x5/6"	11/4"	41%"	.70
3020	5/6"x3/8"	18/4"	47/4	.70
3021	3/6"x7/6"	7/2"	51/4	• 10
3025	7/6"×1/6"	1//	552"	.80
3026	1/6"x9/6"	172,"	6"8	1.00
3027	1/4" × 19/4"	744" 1764" 1964" 1964" 2164" 2164" 2164" 1152" 2364" 1352" 2564" 2564" 2964"	63/#	1.00
3030	9/11-5/1	192."	63/4" 63/4" 73/6" 75/8" 81/8" 89/6"	1.00
3031	5/11-3/11	21/."	73/11	1. 10
3033	19/1/2/11/1	21//	75/1	1.40
3034	5/"×11/"	21/#	91/#	1.40
	11/1/-3/16	21/1/	0/8"	1.40 1.50 1.75 1.75 1.80 1.90
3035	11/6" X 1/4"	1184	876"	1.50
3036	11/16" X /8"	32	9" 9½" 10" 10½" 11½"	1.75
3037	11/16" X 25/82"	11/82"	91/2"	1.75
3039	3/4"X/8"	23/64"	10″	T'80
3040	13/16"X 1/8"	28/64"	101/2"	1.90
3041	7/8"x11/16"	25/64"	111/8"	2.40
3045	15/16"x1"	13/32"	12"	2,55
3047	15/16"x11/16"	7/6"	13"	2.65
3050	11/6"x11/8"	29/64"	137/8"	3.10
3051	11/6"x11/4"	1/2"	147/8"	3.60
3055	11/4"x15/6"	85/4"	161/4"	5.15
3060	13/6"x17/6"	9/6"	1178 12" 13" 1378" 1478" 1614" 1734"	5.15 5.15
3061	11/4"x17/6"	9/6"	173/4"	5.15
3065	17/6"x15/6"	41/4"	191%"	6.75
3070	1½"x1½" 1½"x15%" 1½"x15%"	3564" 916" 916" 4164"	19½" 19½"	6.75 7.40
37	0010 0015 (The second section of	

Nos. 3016-3045-Six in a Box. Nos. 3047-3070-Open Stock.

No. 3000H Open End Wrench Set



-3018, 3020 Expanded set of ten wrenches-3025, 3026, 3030, 3031, 3035, 3040, 3045 and 3050—in No. 2406 Vinyl kit. Openings from 1/4" to 11/6" by 1/6" steps. Wt., 4.2 Lbs. One Set in Cardboard Box. Each \$17.75

No. 3000N Open End Wrench Set

Five popular wrenches—3021, 3026, 3030, 3035 and 3040—in No. 2405 Vinyl kit. Openings from ¾" to ½" by ½6" steps. Wt., 1.63 Lbs. One Set in Cardboard Box.......Each \$7.90

Tappet Wrenches

Specs.: MIL-W-15751A, Type XI; or GGG-W-636, Type X.

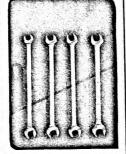


Openings cover tappets, screws or lock nuts. Forged from alloy steel. Chrome plated.

	NOMINAL	HEAD IN	ICVME22		
	OPENING SIZES	SMALL	LARGE	LGTH.	EACH
NO.	1/6"x1/2"	.195"	.195"	10"	\$1.30
3425	1/2" x9/6"	.160"	.183"	10"	1.40
3426	% x 5/8"		.200"	10"	1.40
3430	11/6"x3/4"		.210"	10"	1.55
3435	13/6" x 7/8"	.210"	.210"	10"	1.60
3440	Si	x in a I	Box.		

No. 3400G **Tappet Wrench** Set

Handles most tappet jobs. Includes four wrenches—one 3425, two 3426 and one 3430—in No. 2405 Vinyl kit. Wt., 1.20 Lbs. One Set in a Cardboard Box.



Each \$7.05

Box Wrenches —12-Pt.

Military Data

Description: "Box Wrench, Double Head, 12-Point, 15°." Specs.: MIL-W-15751A or GGG-W-636, Type I and II, Style A (Nos. 1120L-1131L and 1133-1164) and Style B (Nos. 1120-1131).



Thin but very strong box walls and resulting compact heads permit use in close quarters. Walls are thinner at wrench tip than at shank end of box where greater strength is needed. Heads are offset 15° from shank to clear objects and protect hands. Forged from alloy steel. Chrome plated.

eei. Cm	come plated.			
NO.	NOMINAL OPENING SIZES	HEAD THICK- NESS	OVER- ALL LENGTH	EACH
1120	5/16" X 3/8"	9/82"	41/4"	\$1.15
1122	3/8"x7/6"	5/16" 5/16"	45/8"	1.15
1125	1/16" x 1/2"	5/6"	5"	1.15
1126	1/2"x9/6"	11/2"	53/8"	1.15
1127	1/4-19/-	11/32"	53/8" 59/16"	1.20
1130	%6"x5/8"	3/9"	53/4"	1.30
1131	5/0"×3/"	13/82"	61/8"	1.35
1133	5/8" x 3/4" 19/2" x 11/16"	13/2"	10"	1.60
1134	5/8"x11/16"	18/2"	105%"	1.60
1135	11/16" x 3/4"	7/4"	111/4"	1.75
1136	11/16" x 7/8"	13,2" 13,2" 13,2" 7,16" 7,16"	117/8"	1.75
1137	11/16" x 25/32"	16" 1532" 1532"	121/2"	1.75
1139	3/4"x7/8"	15/4"	131/8"	1.90
1140	18/6" x 7/8"	15%"	131/8"	1.90
1141	78"x11/6"	1/0"	145/8"	3.30
1145	15/16"x1"	1/6"	151/2"	3.40
1147	15/16"x11/16"	172"	163/8"	3.80
1150	11/6"x11/8"	172"	171/4"	3.80
1151	11/6"x11/4"	9/16"	181/4"	3.90
1155	11/4"x15/6"	5/0"	191/4"	4.45
1160	11/4"x13/8"	5/0"	19¼″ 20¼″	4.50
1161	11/4"x11/6"	11/2"	2114"	4.55
1162	11/6"x11/2"	3/16	221/4"	5.95
1163	17/16"x15/8"	18/4	231/4"	7.40
1164	15/8"x111/6"	18/16" 7/8"	241/2"	7.50

Box Wrenches Continued on Next Page

PROTO TOOLS

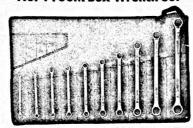
Box Wrenches—12-Pt.—Continued

LONG-TYPE (For Providing Additional Leverage on Hard Pulls)

	NO.	NOMINAL OPENING SIZES	HEAD THICK- NESS	OVER- ALL LENGTH	EACH
	1120L	5/6"x3/8"	9/32"	73/8"	\$1.25
	1122L	3/8"x7/6"	5/16"	75/8"	1.25
	1125L	7/6"x1/2"	5/16"	778"	1.25
	1126L	1/2"x9/6"	11/20	83/8"	1.25
	1130L	9/16" X 5/8"	3/8"	87/8"	1.35
	1131L	5/8" x 3/4"	18/32"	97/6"	1.55
-			areas and the second		and the second

Nos. 1120-1145 and 1120L-1131L-Six in a Box. Nos. 1147-1164-Open Stock.

No. 1100M Box Wrench Set



Professional master set of ten wrenches—1120L, 1122L, 1125L, 1126L, 1130L, 1131L, 1135, 1140, 1145 and 1150—in No. 2413 Vinyl kit. Openings from ½" to 1½" by ½" steps. Wt., 5.2 Lbs. One Set in Cardboard Box. Each \$22.60

No. 1100K Box Wrench Set

Five most-used wrenches—1122L, 1126L, 1130L, 1135 and 1140—in No. 2405 Vinyl kit. Openings from 3%" to 3%" by 1/6" steps. Wt., 2.1 Lbs. One Set in Cardboard Box.

Each \$9.00

Combination 12-Pt. **Box & Open End** Wrenches

Military Data

Specs.: MIL-W-15751A, Type IV; or GGG-W-636, Type III.



Introduced in America by PROTO. Have all features of both open end and box wrenches. Same opening size on each end. Use safe box end for breaking loose a nut, and speedy open end for running off nut. Reverse procedure for running on said single-line nut. for running on and cinching nut. Forged from alloy steel. Chrome plated.

noy suc		HEAD TH	ICKNESS	OVER-	
NO.	SIZE OF OPENINGS	BOX	OPEN END	LENGTH	EACH \$.90
†1208	14" 516" 3/8" 7/6" 9/6" 11/16"	7.82" 1/4" 9.52" 5/16" 5/16" 23/64"	18/64	98/#	1.00
1210	5/16"	4"	1964	412"	1.10
1212	3/8"	32"	15/1	51/#	1. 25
1214	7/6"	216"	1784	6"	1.35
1216	1/2"	916"	10/1	68/#	1.45
1218	9/16"	23/64	752" 1564" 1764" 1964" 516" 1152" 2564" 1352" 2764"	514" 514" 6" 634" 712" 814" 1014"	1.55
1220	5/8"	13/32	11/1	81/1	1.70
1222	11/16"	16	3/4	91/4	1,90
1224	3/4"	13/82	25/#	101/4"	2, 25
1226	18/16"	13.	25/1	1114"	2,35
1228	78"	12	18/4	123/8"	2.70
1230	7/8" 15/16"	1 /82	27/.#	133/8"	2,75
1232	1"	1/32	764	143/8"	3.60
1234	11/16"	16	29/.	1534"	4.10
1236	11/8"	15/2" 15/2" 17/2"	7/6" 29/64" 81/64"	17"	4.70
1240	11/4"	1/8	764		11.4

Listing Continued in Next Column

Combination Box & Open End Wrenches—Continued

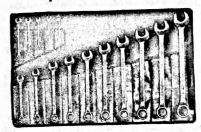
	NOMINAL.	OVER-			
NO.	SIZE OF OPENINGS	BOX	OPEN	LENGTH	EACH
1242	15/6"	21/82"	83/64"	181/8"	\$5.70
1244	13/8"	11/16"	85/64"	193/8"	6, 20
1246	17/6"	3/4"	19/32"	205/8"	6.50
1248	11/2"	13/6"	5/8"	2134"	7.40
1252	15/8"	1/8"	41/64"	23"	8.00

LONG-TYPE (For Providing Additional Leverage on Hard Pulls)

				17/8	41 00
†1208L	1/4"	7/2"	3/16"	4 /8"	\$1.00
1210L	5/16"	7/82" 1/4" 9/82"	13/64"	53/4"	1.05
	216	64			
1212L	3/8"	32"	7/82"	65/8"	1.20
1214L	3/8" 7/6"	5/6"	15/64"	71/2"	1.35
1216L	1/0"	5/6"	1764"	81/4"	1.45
1218L	9/6"	28/ "	19/1	91/8"	1.55
	110	19/11	57.11	10"	1.70
1220L	98"	19/82	716		
1222L	11/16"	7/6"	11/82"	101/8"	1.80
	8/#	15/82"	3/8"	1134"	2.00
1224L	74	-782	18	/4	2.00
t6-Point	Box.				

Nos. 1208-1232 and 1208L-1224L-Six in a Box. Nos. 1234-1252-Open Stock.

No. 1200F Combination Box & **Open End Wrench Set**



Master set of fifteen wrenches-1210 through 1240—in a No. 2413 Vinyl kit. Openings from 1/2" to 11/4". Wt., 8.7 Lbs. One Set in Cardboard Box..... Each \$37.60

No. 1200H Combination Box & Open End Wrench Set

Seven popular wrenches—1212 through 1224—in No. 2404 Vinyl kit. Openings from ¾" to ¾" by ½" steps. Wt., 1.61 Lbs. One Set in Cardboard Box...... Each \$11.50

No. 1200L Long-Type Combination **Box & Open End Wrench Set**

All nine extra-leverage wrenches—1208L through 1224L—in No. 2406 Vinyl kit. Openings from ¼" to ¾" by ¼6" steps. Wt., 2.4 Lbs. One Set in Cardboard Box. Each \$15.95

Midget Wrenches

Midget Open End Obstruction Wrenches — 15° and 60° Heads

Military Data

Specs.: MIL-W-15751A, Type VII, Style A; or GGG-W-636, Type VI.



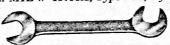
The two openings on each wrench are duplicated on another wrench but at different head angles—15° and 60°. Used on carburetors, generators, radios and other electrical equipment. Forged from alloy steel. Chrome plated.

	NON OPENIN	INAL IG SIZES	HEAD		
NO.	15° END	60° END	THICK- NESS	LENGTH	EACH
3210	1364"	15/64"	764"	3"	\$.80
3211	15/64	13/4"	764"	3"	.80
3215	7/32"	1/4"	764"	3"	.80
3216	1/4"	7/0"	7/4"	3"	.80
3220	9/2"	5/16"	5/32"	31/2"	.80
3221	5/16"	9/2"	5/32"	31/2"	.80
3225	11/2"	3/8"	5/32"	33/4"	.80
3226	3/8"	11/32"	5/52"	33/4"	.80

Midget Open End Electrical Wrenches — 15° and 80° Heads

Military Data

Specs.: MIL-W-15751A, Type VII, Style B.



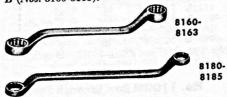
Both openings on each wrench are same size. The 15° and 80°-angle heads are needed for delicate adjustments on timers, radios, etc. Forged from alloy steel. Chrome plated.

NO.	OPENING SIZE BOTH ENDS	HEAD THICK- NESS	LENGTH	EACH
3314	76"	764"	31/4"	\$.80
3315	1564"	764"	31/4"	.80
3316	1/4"	7/64"	3½" 35%"	.80
3318	9/32"	5/2"	35/8"	.80
3320	932" 516"	764" 764" 582" 532"	35/8" 4" 4"	.80
3322	38" 38" 76" 12" 916" 58"	32"	4"	.80
3324	3/8"	782"	4"	.90
3328	16"	1164	434"	.90
3332	1/2"	64	434"	1.00
3336	16"	3/16" 3/16"	5¾" 5¾"	1.20
3340	%"		5%	1, 20
	Six in a	a Box.		

PROTO TOOLS Offset Box Wrenches

Military Data

Description: "Box Wrench, Double Head, 12-Point, Double Offset." Specs.: MIL-W-15751A, Type II, Style A (Nos. 8180-8185) and Style B (Nos. 8160-8163).



Reach nuts in counterbored places, casting depressions and other restricted spots. Heads offset 45°. Thin but strong box walls. Forged from alloy steel. Chrome plated.

	MIDGET TY	PE-6-1	POINT	
NO.	NOMINAL OPENING SIZES	HEAD THICK- NESS	LENGTH	EACH
8112	3/16" x13/64"	964"	21/8"	\$.90
8117	7/2" X15/64"	5/32"	31/8"	1.00
8122	1/4"x9/32"	11/64"	31/6"	1.00
8127	5/16"X11/32"	3/16"	37/8"	1.10
	SHORT TYP	E-12-	POINT	
8160	3/8" x7/16"	5/16"	5"	1.20
8161	1/2"x9/6"	11/2"	51/2"	1.25
8162	5/8"x11/16"	11/32" 13/32"	6"	1.35
8163	34"x13/6"	15/32"	61/2"	1.40
	LONG TYP	E-12-P	OINT	
8180	3/8"x7/16"	5/16"	73/4"	1.30
8181	1/2"x9/6"	11/32"	9"	1.45
8182	5/8"x11/6"	13/82"	101/4"	1.60
8183	3/4"x25/32"	15/82"	111/2"	1.70
8184	13/6"x 7/8"	17/32"	1234"	1.80
8185	15/6"x1"	19/32"	14"	2.55
0103	Six in			4,00
	~~~			

#### No. 8100E Midget Offset **Box Wrench Set**

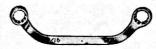
Wt., .12 Lb. Contents: **OPENINGS** NO. 8112 3/6"x13/64" 8117 8122 8127 One Set in a Cardboard Box ..... Each \$4.00

#### No. 8100B Long Offset **Box Wrench Set**

Openings from 3%" to 1". Supplied in free cloth bag. Wt., 3.3 Lbs. Contents:

NO.	OPENINGS	I NO.	OPENINGS
8180	3/8" x7/6"	8183	3/4"x25/32"
8181	3/8" x7/16" 1/2" x9/16"	8184	13/16" x 7/8"
8182	5/8"x11/6"	8185	15/16"x1"
One Set in	a Cardboard	l Box	Each \$10.40

#### **Obstruction Box Wrenches**



For turning nuts not accessible with straight wrenches, as on starters. Clearance at middle, 1". Forged from alloy steel. Chrome plated.

NO.	NOMINAL OPENING SIZES	HEAD THICK- NESS	LENGTH	EACH	
1725	7/6"x1/2"	5/16"	511/6"	\$1.80	
1730	9/6"x5/8"	3/8"	621/32"	2.10	
1731	5/8"x3/4"	13/2"	75/8"	2,25	
	Six i	n a Roy	340 4 41 44 4		

# Flare Nut Wrenches

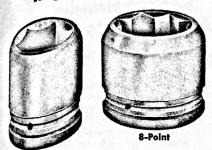
Military Data Specs.: MIL-W-15751A, Type XVI.



Primarily for assembly and repair of fluid and Primarily 101 associated, and repair of fluid and gas lines on hydraulic units, air brake systems, instruments, etc. Save chewing of soft nuts. Forged from alloy steel. Chrome plated

NO.	OPEN- ING	SLOT IN BOXHEAD	HEAD THKNS.	LENGTH	
3712	3/8"				EACH
3714	3/8" 7/16" 9/16" 9/16" 5/8" 15/16" 15/16" 1"	9/2"	11/2"	61/2" 61/2" 67/8" 71/6" 73/4" 73/4" 81/8" 81/8"	\$1.55
3716	1/2"	3/8"	7/16"	676"	1.60
3718	9/16"	7/6"	7/6"	676"	1.65 1.70 1.75
3720	5/8"	15/82"	17/32"	71%"	1.75
3724	3/4"	9/16"	19/32"	77/6"	1.95
3728	7/8"	11/16"	21/82"	73/4"	2,10
3730	15/16"	23/32"	21/82"	73/4"	2.40
3732	1"	3/4"	3/4"	81/8"	2.45
3734	1½6" 1½8"	25/32"	3/4"	81/8"	2.50
3736	11/8"	7.52" 9.52" 3.6" 7.16" 15.52" 9.16" 23.52" 25.52" 25.52" Six in a	11,82" 11,82" 7,16" 17,82" 19,82" 21,82" 21,82" 34,4" 80,83	87/16"	2.60
		Six in a	Box.		

# **Impact Sockets**



for Chicago Pneumatic, Ingersoll-Rand, Thor for Chicago Pneumatic, ingersoii-Rand, Thor and other impact wrenches. Extra rugged for sample and maintenance of heavy vehicles, assembly and equipment. Of alloy steel. Or-machinery and equipment. Of alloy steel. Or-der retainer pin and "O" ring separately, spec-ifying socket or extension catalog number.

ifying S	ocket (	or exte	HAD C	OCKETS	4 D	DINIT
3/4" 5	Q. DR	. KEG	DEMK 3	OCICLIO	-0-1	SIMI
•	NUM.	PNCHD. OPEN.	NOSE DIAM-	DRIVE	OVER-	
	OPEN.	DEPTH	ETER	DIAM.	LGTH.	EACH
NO.		5/8"	1.156"	1.625"	17/8"	\$1.95
07512	3/4"		1.156"		17/8"	1.95
07513	13/16	5/8"	1.250"	1.625"	2"8	2.05
07514	1/8	5/8"	1.313"	1.750"	2"	2.15
07515	15/16	5/#	1.438"	1.875"	21/6"	2.15
07516	1"	5/8"	1.500"		21/16"	2.20
07517	11/16	13/11	1.594"		23/#	2.25
07518	11/8	13/16		2.125"	23/16"	2.65
07520	1/4	31/2"		0.105#	23/16"	
07521		31/32"	1.813"		23/16"	2.75
07523	11/6	11/2"	1.938"	2.250"	25/16"	2.95
1" 50	2. DR.	REGU	LAR SC	CKETS-		
10012	3/4"	1/2"	1.281"		21/16"	2.65
10014	7/8"	5/8"	1.438"	2.000"	21/16"	2.95
10015	15/16"	5/8"	1.500"	2.000"	21/6"	2.95
10016	1"	5/8"	1.538"	2.000"	21/16"	3.25
10017	11/16"	3/4"	1.562"	2.125"	23/16"	3.60
10018	11/8"	3/4"	1.594"	2.125"	23/6"	3.60
10019	13/6"	3/4"	1.656"	2.125"	23/6"	3.60
10020	11/4"	3/4"	1.719"	2.125"	23/6"	3.60
10021	15/6"	3/4"	1.813"	2.125"	23/16"	3.60
10022	13/8"	13/16"	1.938"	2.250"	21/4"	3.85
10023	17/6"	7/8"	1.938"	2.250"	25/16"	4.00
10024	11/2"	13/2"	2.094"	2.313"	25/16"	4.25
10025	19/6"	11/4"	2.156"	2.313"	23/8"	4.35
10026	15/8"	136"	2.219"	2.438"	27/6"	4.35
10027	111/6"	13/2"	2.313"	2.563"	27/6"	4.50
10028	13/4"	13/8"	2.375"	2.750"	21/9"	4.50
10029	113/6"	11/6"	2.438"	2.750"	2½" 29½"	5.15
10030	17/6"	11/9"	2.531"	2.750"	29/16"	5.15
10031	115/6"	11/8"	2.594"	2.750"	211/6"	5.50

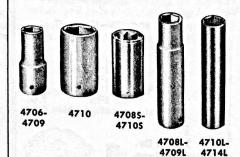
	1-16	1/2"	2.594"	2.750"	211/16"	5.00
10032	2"	11/6"	2.656"	3.000"	211/2"	5.85
10033	21/0"	11//	9 750#	2 000//	011/#	6.00
10034	21/0	11/1	2.700	3.000"	02/16	6.50
10035	22/11	172	2.812	3.000"	2%	
						7.00
10030	444	1%"	3.250"	2.250"	213/6"	7.95
10037	23/16"	15/8"	3.375"	2.250"	218/6"	8.65
10038	23/8"	13/1	3.500"	2.250" 2.250" 2.250"	215/0"	8.95

10012G	REGI	ULAR S	OCKET-	4-POIN	IT
10013S 13/6"	5/8"	1.750"	2.000"	21/16"	2.95
	KEGU	LAR SC	CKETS-	-8-POII	TI
10018S 11/8" 10020S 11/4"	3/4"	1.906"	2.250"	21/4"	4.00
400218 1524	%"	2.031"	2 375"	21/1"	4.00
-00235 112.0	24"	2.156"	2.563"	25/16"	4.00
' 5Q. DD -	1/8"	2.375"	2.687"	27/16"	4.40
1" <b>SQ. DR. E</b> 10015L 15/6" 10017L 11/6" 10020L 11/4"	XTRA	DEEP S	OCKETS	-6-PO	INT
100171 11 16					4.50
10020L 11/4	34"	1.563"	2.125" 2.125" 2.313"	31/2"	4.50
		1.719"	2.125"	31/2"	4.75
Open Stock	/8"	2.125"	2.313"	31/2"	5.60

Impact	Socket Exte	ensions	
07567 10607 Open Stock.	1"	LENGTH 7" 7½"	\$4.95 7.85

# PROTO TOOLS 1/4" Sq. Drive Midget **Socket Wrenches**

Military Data Specs.: MIL-W-15838A, Type I, Class 1, Style A; or GGG-W-641, Table 2.



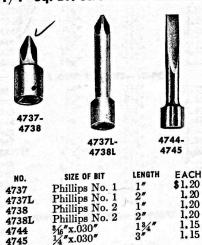
Save time and trouble on little jobs that ordinary sockets can't handle, such as repair of carburetors, distributors, radios, instruments, etc. Accurately made from alloy steels for super strength. Chrome plated.

#### REGULAR SOCKETS-6-, 8- AND 12-POINT

NO.	ING SIZE	OF PTS.	ALL LENGTH	EACH	
4706	3/6"	6	1"	\$ .45	
4707	7/32"	6	1"	.45	
4708	1/4"	6	1"	.45	
4708S	1/4"	8	1"	.45 .45 .50	
4709	9/2"	6 8 6	1"	.45	
4710	5/16"	6	1"	.45	
4710S	5/16"	8	1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1"	.45	
4711	11/32"	6	1"	.45	
4712	3/8"	6 8	1"	.45	
4712S	3/8"	8	1"	.50	
4714	7/6"	6	1"	.45	
4716	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	12	1"	.45	
EXTR	A DEEP	SOCKET	5—6-POI	NT	
4708L	1/1"	6	2"	\$ .70	
4709L	1/4" 9/82"	6	2"	.70	
	204		0#		

P.V.1.00	~			
4708L	1/4"	6	2"	\$ .70
4709L	9/82"	6	2"	.70
4710L	5/16"	6	2"	.70
4711L	11/32"	6	2"	.70
4712L	3/8"	6	2"	.70
4714L	7/6"	6	2"	.70
	Si	x in a Bo	x.	

#### 1/4" Sq. Dr. Screwdriver Sockets



Six in a Box.

1.15

4744 4745

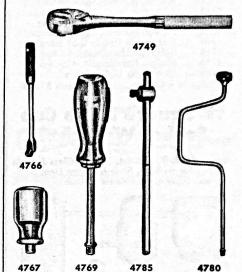
# 1/4" Sq. Drive Midget Socket Handles, Attachments & Set

Military Data

Specs.: MIL-W-15838A; or GGG-W-641. Lengths subject to individual requirements.

The several styles of handles and attachments permit many types of assemblies for easy handling of difficult jobs. All are made from alloy steel. Chrome plated.

#### Handles



NO.	DESCRIPTION	OVERALL LENGTH	EACH
4749	Reversible Ratchet	5"	\$3.60
4766	Hinge Handle	53/8"	2,20
4766PH	Pin Handle	4"	.30
4767	Spintype Plastic Handle, Stubby	25/2"	1.10
4769	Spintype Plastic Handle, Regular	57/8"	1.30
4780	Speed Handle	16"	2.10
4785	Sliding Bar Handle	41/9"	1,20
a gilang b	Six in a Box.	and alless	

#### Parts for Ratchet 4740

		warene	
NO. DI	SCRIPTION	NO.	DESCRIPTION
1749DL Do		4749R 4749S	Reversing Assembly Spring Wheel with Plug
1749DR Do 1749H Co		4749 W Oper	Wheel with Plug Stock.

#### **Attachments**

9 4763 4770 5256 DESCRIPTION \$ .90 1.10 NO. 4760 31/2" Extension 4761 Extension 4763 Extension 4770 Universal Joint Adapter, ¼" F., ¾" M. Adapter, ¾" F., ¼" M. Six in a Box.

Set No. 4700B - See Next Page

#### No. 4700B 1/4" Sq. Dr. Midget Socket Wrench Set



Includes useful selection of basic tools. Wt., 1.20 Lbs. Contents:

NO.	DESCRIPTION
4707	Socket, 6-Point, 1/2" Opening
4708	Socket, 6-Point, 1/4" Opening
4708S	Socket, 8-Point, 1/4" Opening
4709	Socket, 6-Point, %2" Opening
4710	Socket, 6-Point, 5/16" Opening
4710S	Socket, 8-Point, 5/16" Opening
4711	Socket, 6-Point, 112" Opening
4712	Socket, 6-Point, 3/8" Opening
4714	Socket, 6-Point, 16" Opening
4749	Reversible Ratchet, 5" Long
4769	Spintype Handle, 57/8" Long
4785	Sliding Bar Handle, 41/2" Long
4795	Steel Box, 1"x21/4"x63/4"
One Set	in a Carton Each \$11.20

# 3/8" Square Drive Cub Socket Wrenches

Military Data
Specs.: MIL-W-15838A, Type I, Class 1, Style
A (Regular Sockets), Style B (Extra Deep Sockets) and Style C (Universal Sockets).









52145-52165

A useful drive size for many types of service and repair work. Sockets have thin walls to get at hard-to-reach nuts.Made from alloy steel. Chrome plated.

#### REGULAR SOCKETS-12-POINT AND 6-POINT

	NO.	OPENING	OVERAL		
12-PT.	B-PT.	SIZE		EACH	EACH
5210	5210H	5/16"	15/16"	\$ .70	\$ .70
5212	5212H	3/8"	15/16"	.70	.70
5214	5214H	7/6"	15/16"	.70	.70
5216	5216H	1/2"	15/16"	.70	
5218	5218H	9/16"	1"	.70	.70
5220	5220H	5/8"	1"	.70	.70
5222	5222H	11/16	11/16"	.70	.70
5224		3/4"	11/16"	.70	
5226		13/16"	13/16"	.75	******
5228		7/8"	11/4"	.80	•••••
EXTRA	DEEP SC	OCKETS-	-12-PT	AND	6-PT
5012	5012H	3/8"	21/8"	\$ .70	\$ .70
5014	5014H	7/16"	21/8"	.70	.70
5016	5016H	1/2"	21/8"	.70	.70
5018	5018H	9/16"	21/8"	.80	.80
5020	5020H	5/8"	21/8"	.90	.90
5022	5022H	11/16"	21/8"	1.00	1.00
5024		3/4"	21/8"	1.10	
5026		13/16"	21/2"	1.20	*
5028		7/8"	21/2"	1.30	

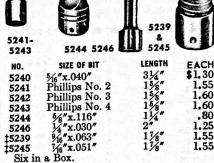
# PROTO TOOLS

	REGULAR SOC	KETS-8-POINT	
NO.	OPENING SIZE	OVERALL LENGTH	EACH
5208S	1/4"	15/16"	\$ .70
•5209S	9/2"	15/16"	.70
5210S	5/16"	15/16"	.70
5212S	3/8"	15/16"	.70
5214S	7/6"	15/16"	.70
5216S	1/2"	. 1"	
•4-Point	for Drain P	lug on Buick D	ynano

Torque Converters.

ONIAEK3	AL SOCKETS-12-P	J
5273	1 15 2 " 16" 1 15 2 " 2" 1 9 16 "	\$2.25
5274	16" 115/32"	2, 25
5275	19/6"	2.25
5276 9	15/8"	2.25
5277	125/2"	2, 25
5278 11	16" 118/6"	2,60
5279	129/32"	2.60
	181/32"	2.60
Six in a Box.		

3/8" Sq. Dr. Screwdriver Sockets



‡For Oil Pan Bolts. No. 5239 Fits 1940 and Later Model Chevrolets. No. 5245 Fits 1939 and Earlier Chevrolets.

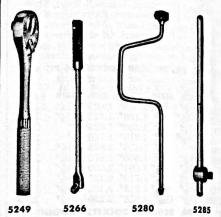
# 3/8" Square Drive Cub Socket Handles, Attachments & Sets

Military Data

Specs.: MIL-W-15838A. Lengths subject to individual requirements.

With the several styles of handles and attachwith the several styles of handles and attachments available, a great many types of drive combinations can be assembled for various nut-running jobs. Made from alloy steel. Chrome plated.

#### **Handles**



NO.	DESCRIPTION	LENGTH	EACH
5249	Reversible Ratchet	7"	\$5.15
5265	Hinge Handle	73/8"	3.10
5266	Hinge Handle	12"	3.40
5266PH	Pin Handle, 5/6" Stock	71/2"	.40
5280	Speed Handle	167/8"	2, 15
5281	Speed Handle	145/32"	2.15
5283	Speed Handle	303/8"	2.35
5285	Sliding Bar Handle	8"	1.70
Six in	a Box, Except 5283-O	pen Sto	ck.

#### Parts for Ratchet 5249

NO.	DESCRIPTION	NO.
249C	Cover	5249R Re
	Dog. Left	5249S Sp
249DF	Dog, Right	5249W W
249H	Cover Screw	Open St

DESCRIPTION eversing Assembly ring heel with Plug

5263

#### **Attachments**

5270

525	3 & 5256 5254-5255	
NO. 5256 5255 5253	DESCRIPTION  Adapter, ½" F., ¾" M.  Adapter, ¾" F., ¼" M.  Adapter, ¾" F., ½" M.	LENGTH EACH 15/6" \$ .80 15/6" .90 13/2" 1.20
5254	Adapter, ½" F., 3%" M.	1716 80
5259	Extension	134 312 1.25
5260	†Extension	712" 1.50
5261	†Extension	10# 1.10
5262	†Extension	171/2" 2.35
5263	†Extension	158" 2.30
5270	Universal Joint	178
Sir	in a Roy	4

†Has Hole for Turning with Pin Handle.

Sets for 3/8" Dr.—See Next Page

# No. 5200AB 3/8" Sq. Dr. Cub Socket Wrench Set



Expanded set that will handle practically all % drive jobs. Wt., 4.6 Lbs. Contents:

FC		

NO.	Socket, 12-Point, 38" Opening
5212	General 12-Point, 16" Opening
5214	Coalest 12-Point, ½" Opening
5216	Cooket 12-Point, %6" Upening
5218	cocket 12-Point, %" Upening
5220	Cocket 12-Point, 1/16" Opening
5222	Cocket 12-Point, %" Upening
5224	Reversible Ratchet, 7" Long
5249	Extension, 3½" Long
5260	Extension, 12" Long
5262	Hinge Handle, 73/8" Long
5265	Universal Joint
5270	Speed Handle, 16 % Long
5280	Steel Box, 1½"x5¼"x18½"
5295	in a Carton Each \$23.00
One Set	III & Carton Duch \$20,00

#### No. 5200AA 3/8" Sq. Dr. Cub Socket Wrench Set

# No. 5200C 3/8" Sq. Dr. Cub



Socket Wrench Set

Useful, lowcost set, with both 8-point and 12-point sockets. Wt., 2.1 Lbs. Contents:

***	DESCRIPTION
5212	Socket, 12-Point, 3/8" Opening
52128	Socket & Daint 3/8 Opening
5214	Socket, 8-Point, 3/8" Opening
5214S	Ducket, 12-Point 7/6" Opening
5216	Docket, o-Point We" () noning
	Socket, 12-Point, 12" Opening
52168	Socket & D. J. Dening
5218	Socket, 8-Point, 1/2" Opening
5220	Docatte 12-Point 9/2" Opening
5222	Cache IZ-Point 92" (Inchine
5224	Socket, 12-Point, 11/16" Opening
5224	Socket 12 Dille, 1/16 Opening
5265	
5266PH	
5294	
0.	Steel Box, 101/4"x21/4"x11/4"
one Set in	0 C-1 1074 X274 X174"
	Steel Box, 101/4"x21/4"x11/4"  a Carton Each \$12,15

# No. 5000B 3/8" Square Drive Deep Socket Wrench Set

Nine deep sockets. Wt., 1.60 Lbs. Conte

00. OPENING 5012 SIZE 5014 36" 5016 16"	MO. 5018	OPENING SIZE 9/16"	NO. 5024	OPENING SIZE
One Set in a C	5022 ardboa	rd Box	5026 5028 Eac	7/8" ch \$8.45

# PROTO TOOLS ½" Sq. Dr. Standard **Socket Wrenches**

Military Data

Specs.: MIL-W-15838A, Type I, Class 1, Style A (Regular Sockets), Style B (Extra Deep Sockets) and Style C (Universal Sockets).







Most popular of all drive sizes. Widely used for all types of professional repair and service jobs. Made from alloy steel. Chrome plated.

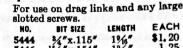
KEGUI	NO,	OPENING	-POINT OVERALL	AND 6-1 EACH	EACH
12-PT.	6-PT.	SIZE	LENGTH	12-PT.	6-PT.
5412	5412H	3/6"	13/8"	\$ .70	
5414	5414H	1/6"	138"	.70	\$ .70
5416	5416H	1/3"	13%"	.70	.70
5418	5418H	3/8" 7/6" 1/2" 9/16" 19/2" 5/8"	138" 138"	.70	.70
5419		19/2"	13/8"	.70	.70
5420	5420H	5/0"	13/8"	.70	
5421		21/82"	13%"	.80	.70
5422	5422H	11/6"	18%"	.80	
5424	5424H	11/16"	13/8" 13/8"	.90	.80
5425		25/82"	13/6"	.90	.90
5426	110	13/6"	13%"	1.00	-
5428		13/16"	13/8" 11/2" 11/2" 11/2"	1.00	
5429		29/82"	116"		p12
5430		15/16"	116"	1.10	•
5431		81/0"	11/2"	1.10	es pair
5432		31/32" 1"	11/2"	1.10	203
5434		11/16"	11/2"	1.10	de luce
5436		11/8"	1½" 1¾"	1.25	
5438		13/6"	134"	1.40	
5440	tru ena	11/4"	134"	1.45	ê Gen
0110	to 2	174	1/4	1.50	

		1.50	
	REGULAR SO	CKETS-8-POINT	Mark S
NO.	OPENING SIZE	OVERALL LENGTH	EACH
5412S	3/8"	13/8"	\$ .90
5414S	3/8" 7/6" 1/2" 9/6" 5/8"	13/8"	.90
5416S	1/2"	13/8"	.90
5418S	9/6"	13/8"	.90
5420S	5/8"	13/8"	.95
5422S	11/6"	11/2"	1.00
5424S	3/4"	11/2"	1,20
5426S	34" 1816" 78" 1"	11/5"	1,25
5428S	7/8"	13/4"	1.30
5432S	1"	13/4"	1.50
5434S	11/6"	13/4" 13/4" 2"	1.60
		White the state of	

5426S	18/6"	11/6"	1.25
5428S	18,4" 7,8" 1"	18/4"	1.30
5432S	140	18/"	1.50
5434S	11/16"	1½" 1¾" 1¾" 2"	1.60
EXT	RA DEEP SOC	KETS-12-PO	INT
5340	1/2"	31/4"	\$1.35
5341	9/6"	31/4"	1.35
5343	5/8"	31/4"	1.40
5344	11/6"	31/4"	1.40
5345	3/4"	31/4"	1,40
5347	18/6"	31/4"	1.50
†5347H	1/2" 9/6" 1/6" 11/6" 3/4" 13/6" 13/6" 18/6"	31/4"	1.65
5348	7/8"	31/4"	1.50
5349	15/6"	31/4"	1.60
5351	1"	31/4"	1.70
5352	11/6"	31/4"	1,80
5353	1½6″ 1½8″	314" 314" 314" 314" 314" 314" 314" 314"	1,90
UN	IVERSAL SOC	KETS-12-PO	INT
F 477	1/#	125/4	49 01

3333	178	0/4	1,90
	UNIVERSAL SOC	KETS-12-PO	NT
5475	1/2"	125/2"	\$2,85
5476	1/2" 9/16" 5/8"	113/16"	2.85
5477	5/8"	17/8"	2,95
Q:-	in a Boy th	-Point.	

#### 1/2" Sq. Dr. Screwdriver Sockets



34"x.115" 15/6"x.154" 5446 Six in a Box.

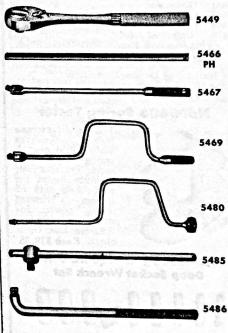
#### ½" Sq. Dr. Standard Socket Handles

Military Data

Specs.: MIL-W-15838A. Lengths subject to individual requirements.

Designed, engineered and manufactured for precise and complete interchangeability. Wide selection permits an almost unlimited number of assemblies for handling all types of jobs. Made from alloy steel. Chrome plated.

#### **Handles**



NO.	DESCRIPTION	LENGTH	FACH
5300PH	Pin Handle for Deep		CACH
	Sockets, %" Stock	8"	\$ .30
5466PH	Pin Handle, % Stock	111/2"	.50
5449	Reversible Ratchet	1014	6.50
5450	Reversible Ratchet	16"	7.00
5466	Hinge Handle	10"	4.40
5467	Hinge Handle	15"	4.65
5468	Hinge Handle	18"	4.95
5469	Speed Hinge Handle	18"	5.15
5480	Speed Handle	18"	3, 25
5485	Sliding Bar Handle	13"	2.35
5486	Ell Handle	14"	
A CONTRACTOR OF THE PROPERTY O	a Box.	1.2	2.40

#### Parts for Ratchets 5449 and 5450

NO. DESCRIPTION	NO. DESCRIPTION	
5449C Cover	5440P Revenies A.	
5449DL Dog, Left	5449S Spring 5449W Wheel with Plug	Ŋ
5449DR Dog, Right	5449W Wheel with Plus	
5449H Cover Screw	Open Stock	

Spring Tester No.5405 and Ratcheting Attachment No. 5447 — See Next Page

# ½" Sq. Dr. Socket Attachments & Sets

(Sockets and Handles — See Preceding Page)

#### **Attachments**



5464

NO.	DESCRIPTION	LENGTH	EACH
NO.		13/2"	\$1.20
5253	Adapter, 3/8" F., 1/2" M.		
5254	Adapter. 16" F., 18" M.	15/16"	1.20
5653	Adapter 16" F., % IVI.	11/2"	1.45
5453	Adapter. %" F., ½" M.	17/8"	1.70
5447	• Ratcheting Attachment	22364	
	Tratement 1	216"	1.40
5460	Extension	21/2"	1.55
5461	†Extension		
5463	Extension		1.95
	Extension	18"	3.00
5464	Extension	21/4"	2.85
5470	Universal Joint	0-704	
All	Six in a Box, Except 5653—	-Open S	tock.
THE	-Ratcheting Handle or Att	achment	into
Noi	1-Ratelleting Handle of 12th	0	
a R	atcheting Device. Reversibl	Handle	
†Has	Hole for Turning with Pin	nanule	

#### No. 5405 Spring Tester



With ½"drive torque wrench, measures valve and clutch spring recoil pressures. Provides fast, accurate means for matching sets of springs—to increase engine power. Instructions included. Wt., 8.8 Lbs. Open Stock. Each \$19,35

#### No. 5300B 1/2" Square Drive Deep Socket Wrench Set

# 00000000

Nine deep soo	ekets.	OPENING	1	OLEVIUA
NO. SIZE 5340 ½" 5341 ½" 5343 ½" One Set in a	NO. 5344 5345 5347 ardboa	SIZE 11/16" 3/4" 18/4"	NO. 5348 5349 5351 Each	\$12E 78" 15/16" 1" \$13, 15

#### No. 5300E 1/2" Square Drive Spark Plug Socket Wrench Set

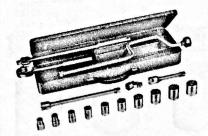


No. 5300PH pin handle and the six extra deep sockets listed. Wt., 2.8 Lbs. Sockets:

NO. 5343 5344	OPENING SIZE 5/8" 11/16" et in a C	NO. 5347 5348 ardboar	OPENING SIZE  13/6" 7/8"  rd Box	NO.	OPENING SIZE 15/6" 1" ch \$9.40	
One S	et in a C	araboai	u Dox		JH 47000	

# PROTO TOOLS

No. 5400AB 1/2" Square Drive Standard Socket Wrench Set



A popular set, containing 17 items. Wt., 11 Lbs. Contents:

LDS. CO.	illocitos.
NO.	DESCRIPTION
5414	Socket, 12-Point, 1/6" Opening Socket, 12-Point, 1/2" Opening
5416	Socket, 12-Politi, 72 Opening
5418	Socket, 12-Point, %" Opening Socket, 12-Point, %" Opening
5420	
5422	G-l-t 10 Point The Opening
5424	
5426	
5428	
5430	Coalect 19-Point, 196 Opening
5432	Galast 19 Point I Opening
5449	Reversible Ratchet, 1074 11018
5461	Extension, 5" Long
5463	Extension, 10" Long
5467	Hinge Handle, 15" Long
5470	Universal Joint
5480	Greed Handle, 18" Long
E405	Steel Box, 1%" X874" X1972
3433	in a Carton Each \$33.00
One Set	in a Carwii Daoz v

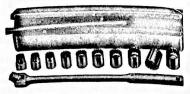
#### No. 5400AA 1/2" Square Drive Standard Socket Wrench Set

#### No. 5400-OC 1/2" Square Drive Standard Socket Wrench Set

A complete 27-item "Super Set." Wt., 15 Lbs. Contents:

NO.	DESCRIPTION
5414	Socket, 12-Point, 16" Opening
5416	Socket, 12-Point, ½" Opening Socket, 12-Point, ½" Opening
5418	Socket, 12-Point, %" Opening
5419	Socket, 12-Point, 19/2" Opening
5419 5420	Socket, 12-Point, 58" Opening
5421	Socket 12-Point 216 ()nening
5422	Socket, 12-Point, 11/6" Opening Socket, 12-Point, 34" Opening
5424	Socket 12-Point % Opening
5425	Socket, 12-Point, 25/2" Opening
	Socket, 12-Point, 13/6" Opening
5426	Socket, 12-Point, 78" Opening
5428	Socket, 12-Point, 15/6" Opening
5430	Socket, 12-Point, \$1/2" Opening
5431	Socket, 12-Point, 1" Opening
5432	Socket, 12-Point, 11/16" Opening
5434	Socket, 12-Point, 11/8" Opening
5436	Socket, 12-Point, 1% Opening
5438	Socket, 12-Point, 11/4" Opening
5440	Reversible Ratchet, 101/4" Long
5449	
5460	Extension, 2½" Long
5461	Extension, 5" Long
5463	Extension, 10" Long
5466PH	Pin Handle, 11½" Long
5468	Hinge Handle, 18" Long
5470	Universal Joint
5480	Speed Handle, 18" Long
5495	Steel Box, 134"x814"x191/2"
One Set i	n a CartonEach \$44.35

#### No. 5400C 1/2" Square Drive Standard Socket Wrench Set



A high-utility, low-cost set with 13 items. Wt. 5.8 Lbs. Contents:

NO.	DESCRIPTION
5414	Socket, 12-Point, 1/6" Opening
	Socket, 12-Point, 1/2" Opening
5416	Socket, 12-Point, %6" Opening
5418	Socket, 12-Point, 5%" Opening
5420	Socket, 12-Point, 11/3" Opening
5422	Socket, 12-Point, 34" Opening
5424	Socket, 12-1 ont, 74 Opening
5426	Socket, 12-Point, 13/16" Opening
5428	Socket, 12-Point, 78" Opening
5430	Socket, 12-Point, 15/16" Opening
5432	Socket, 12-Point, 1" Opening
5466PH	Pin Handle, 11½" Long
5467	Hinge Handle, 15" Long
5494	Steel Box, 17"x3"x2"
	n a Carton Each \$15.8

# 3/4" Sq. Dr. Heavy-Duty Socket Wrenches





Used by mechanics and industrial workers who need strength, speed and safety on tough jobs. Their extra length is a big feature. Made from allow steel. Chrome plated.

Their extra length is a big feature. Made alloy steel. Chrome plated.

REGULAR SOCKETS—12-POINT

	REGUL	AR SOCI	(ETS-1:	Z-POINT	
NO.	NOMINAL OPENING SIZE	OVER- ALL LENGTH	CLEAR- ANCE	OUTSIDE DIAM- ETER	EACH \$1.35
	7/8"	13/#	1"	1.276"	\$1.00
5528	15/#	13/#	1" 1" 1¼" 1¼"	1 370"	1.45
5530	15/16"	0"	11/1	1 432"	1,45
5532	1"	2.	117"	1.495"	1.60
5534	11/6"	2"	10/4	1.557"	1.65
5536	11/8"	13/4" 13/4" 2" 2" 25/6"	19/16"	1.620"	1.65 1.75
5538	1½8″ 13/6″	25/16"	19/16"	1.682"	1.90
5540	11/4"	25/16"	19/16"	1.004	2.05
5542	15/6"	21/2"	13/4"	1.870"	2,30
5544	114" 15/6" 13/8" 17/6" 11/2" 19/6" 15/8"	25/9"	17/8"	1.932"	2.45
5546	172"	25/6"	11/8"	1.995"	3.05
	112"	31/6"	23/4"	2.057"	3.05
5548	19/1	31/4"	23/1	2.120"	3.30
5550	15/16	21/4	28/1	9 945"	3.40
5552	1 /8	072	23/"	9 370"	3.40
5554	111/16"	3/2	03/#	2 370"	3.60
5556	13/4"	3/2"	274	2 495"	3.70
5558	113/6"	31/2"	2%	2.557"	4.00
5560	1 1/8"	31/2"	2%	2.745"	4.40
5564	2"	31/2"	23/4"	2.932"	5.45
5568	21/8"	31/2"	23/4"	2.932	7.50
5572	214"	25/6""""""""""""""""""""""""""""""""""""	196" 194" 176" 234" 234" 234" 234" 234" 234" 234" 234	3.120"	8.55
5576	23/8"	315/16"	31/8"	3.250"	
55/0	4/8	0 /10	-, -		

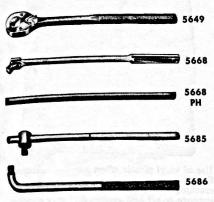
•SPECIAL SOCKET—4-PT. (SINGLE SQ.)
5526S 13/6" 2" 11/6" 1.562" \$1,70

• Fits Budd dual wheels and Lambert spacers on many trucks, and Budd dual wheel inner on 1935-1948 Dodge 1½ and 2-ton and 1931-1948 Ford 1½-ton trucks.

# 34"Sq. Dr. Heavy-Duty Socket Handles, Attachments & Set

Several styles permit many useful drive assembly combinations for handling difficult, heavy jobs. Made from alloy steel. Chrome plated.

#### Handles



NO.	DESCRIPTION	LENGTH	EACH
5649	Reversible Ratchet	20" \$	14.80
5668	Hinge Handle	22"	8.55
5668PH	Pin Handle, 1/2" Stock	12"	.90
5685	Sliding Bar Handle	18"	4.60
5686	Ell Handle	171/4"	4.70
Open	Stock.		

#### Parts for Ratchet 5649

Puris IO	Raidlei Joss
NO. DESCRIPTION	NO. DESCRIPTION
5649C Cover 5649DL Dog, Left 5649DR Dog, Right 5649H Cover Screw	5649R Reversing Assembly 5649S Spring 5649W Wheel with Plug Open Stock.

#### **Attachments**







<u></u>			5663
No. 5653 5453 5853 5854 5660 5661 5663 5670	DESCRIPTION  Adapter, ½" F., ¾" M. Adapter, ¾" F., ½" M. Adapter, ¾" F., 1" M. Adapter, 1" F., ¾" M. †Extension †Extension †Extension Universal Joint	LENGTH  1½"  1½"  2¼"  2¼"  5"  8"  16"  3%6"	\$1.45 1.70 3.05 3.50 2.55 3.10 4.10 8.15
All	Open Stock Except 5452	Qi. in	a Day

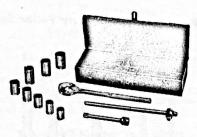
Has Hole for Turning with Pin Handle.

### No. 5500NR 3/4" Square Drive Heavy-Duty Socket Wrench Set

For all types of very heavy work. Wt., 29 Lbs.

NO. 5534	DESCRIPTION Society 10 P.
5536 5540	Socket, 12-Point, 11/6" Opening Socket, 12-Point, 11/8" Opening
Co	Socket, 12-Point, 1½" Opening

#### PROTO TOOLS



#### Contents of Set No. 5500NR (Contd.)

	The second second second
NO.	DESCRIPTION
5542	Socket, 12-Point, 15/16" Opening
5546	Socket, 12-Point, 176" Opening
5548	Socket, 12-Point, 11/2" Opening
5552	Socket, 12-Point, 15%" Opening
5556	Socket, 12-Point, 13/4" Opening
5649	Reversible Ratchet, 20" Long
5661	Extension, 8" Long
5685	Sliding Bar Handle, 18" Long
5695	Steel Box, 33/4"x8"x221/2"
One Se	et in a Box. Each \$48.55

#### **Wheel Hub Pullers**

Handle many pulling requirements, including hubs of most light trucks and cars. No. 4001J legs are drilled for \( \frac{9}{6}'' \) studs and are adjustable to any drum with 3, 4, 5, 6 or 7 studs in a circle up to 6\( \frac{1}{2}'' \). No. 4001JT legs accommodate larger \( \frac{3}{4}'' \) studs and are adjustable on drums in a circle up to 8''. Made from alloy steel.

#### **Wheel Hub Puller Parts**

NO.	DESCRIPTION	EACH
4001B	Puller Body, 63/4" Long	\$4.10
4001C	4½" Ford Adapter Cap Screw	.70
4001J	Leg-156" Offset, 378" Crossarr	n.
	to Offset	1.70
4001JT	Leg-13/4" Offset, 31/8" Crossarr	n
	to Offset	1.70
4001R	Ford Adapter Ring	1.80
	8" Puller Screw with 4001ST Tip	
4001ST	Detachable Tip for 4001S Screw	.60
4001T	Steel Box, 1½"x8¼"x8½" Stock.	2.45

# No. 4001 Wheel Hub Puller Set

Includes No. 4001B puller body, No. 4001S screw with detachable tip, three No. 4001J legs, No. 4001R Ford adapter ring and two No. 4001C Ford adapter cap screws. Wt., 9.8 Lbs. One Set in a Cardboard Box.

Each \$15.35

#### No. 4001A Wheel Hub Puller Set

Same as Set. No. 4001, except with No. 4001T steel box. Wt., 12 Lbs. One Set in a Box.

Each \$17.80

# **Light-Duty Pullers**

Pull little gears, pulleys, bearings, etc., quickly and easily. Short jaws have range from 0" to 1½", and long jaws from 0" to 3". Made from alloy steel.

#### **Light-Duty Puller Parts**

NO.	DESCRIPTION	EACH
4022	6¾" Screw, with 4022T and 4022TS Tips	\$2.05
4022T	Standard Detachable Tip for 4022 Screw	.40
NO.	DESCRIPTION	EACH
4022TS	1/4" Diameter Detachable Tip	
102210	for 4022 Screw	\$ .40
4056T	3½" Reversible Jaw	1.50
4056N	Reversible Adjusting Nut	1.90
4056PN	Pin for Holding Jaw	. 15
4061	Yoke for Two Jaws	1.80
4063	Non-Reversible Adjusting Nut	.60
4066	4%6" Outside Jaw	1.70
4071	Yoke for Three Jaws	2.50
Open	Stock.	

#### No. 4060A Light-Duty Puller Set

Two-way type. Includes No. 4022 screw with two detachable tips, No. 4063 adjusting nut, No. 4061 yoke, two No. 4056PN pins, two No. 4056J reversible jaws and two No. 4066 outside jaws. Wt., 1.75 Lbs. One Set in a Cardboard Box.



Each \$11.15 No. 4070C Light-Duty

No. 4070C Light-Duty Puller Set

Three-way type. Includes No. 4022 screw with two detachable tips, No. 4063 adjusting nut, No. 4071 yoke, three No. 4056PN pins and three No. 4066 outside jaws. Wt., 1.94 Lbs. One Set in a Cardboard Box. ...... Each \$10.70



While PROTO pullers have many features, such as quick-change jaws, unusually high pulling capacity, ease of setting up, and detachable "live center" screw tips, the most outstanding one is the interchangeability of parts. This feature makes it possible to take care of almost all jobs with a relatively few parts. As a result, tool users who standardize on PROTO pullers can make a great many set-ups with a modest investment in parts and do not have to buy a special puller for every job. You can offer them as the most versatile and economical pullers made.

# **Medium-Duty Pullers**

For all types of bearings, sprockets, gears, pulleys, wheels, hubs, etc. Quick-change jaws don't require locking devices. Straight line, don't require locking devices. Straight line, full capacity pulling possible at any width or depth within each puller's range. No linkage or pins to adjust. Detachable "live center" tips do not rotate when screw is turned, preventing shaft damage. All parts made from alloy steel.

#### Medium-Duty Puller Parts

ME	dioni-pory rone.	EACH
NO.	DESCRIPTION	\$3.70
4021	7" Crossarm	
	6" Cap Screw Crossarm	1.80
4056C	634" Screw with 4022T	
4022	and 4022TS Tips	2.10
4022T	Standard Detachable Tip for 4022 Screw	.40
4022TS	1/4" Diameter Detachable	40
102210	Tip for 4022 Screw	.40
	Jaw, 2" Crossarm to Hook	2.10
4025	Jaw, 4" Crossarm to Hook	2.10
4026	Jaw, 4 Crossarin to ricon	
4027	Narrow Jaw, 4" from	2,10
	Crossarm to Hook	.70
4028	3" Cap Screw	
1000	Stool Boy 116"x3%"X/ 12"	1.85
0 01-	1. Huge Evtra Hole Near II	ook for
Open Sto	aws Together and Extending	Reach.
Bolting Ja	aws Together and Extending	

# No. 4020A Medium-Duty Puller Set

Includes No. 4021 crossarm, No. 4022 screw with two detachable tips, two No. 4025 jaws, two No. 4026 jaws and No. 4029 steel box. Wt., 4.1 Lbs. One Set in a Box. Each \$15.95

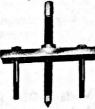


# No. 4020B Medium-Duty Puller Set

Same as Set No. 4020A, except without No. 4029 steel box. Wt., 3.2 Lbs. One Set in a Cardboard Box. Each \$14.10

# No. 4020C Medium-Duty Puller Set

For harmonic balancer assemblies, timing gears, etc. Includes No 4056C cap screw crossarm, No. 4022 screw with two detach able tips, and two No. 4028 cap screws. Wt., 1.76 Lbs. One Set in a Cardboard Box.



#### Each \$5.20

# **Heavy-Duty Pullers**

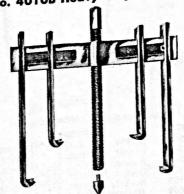
Same features and types of applications as for medium-duty pullers, but designed for pulling heavier parts. Made from alloy steel.

Heavy-Duty	Pul	ler	Par	1
------------	-----	-----	-----	---

n	euvy-bory . The	
NO.	DESCRIPTION	EACH
	11" Crossarm	<b>\$4.</b> 85
4011	II Crossain th 4019T Tip	3.50
4012	111/2" Screw with 4012T Tip	0,00
4012T	Standard Detachable Tip	
70121	for 4012 Screw	.60
	Jaw, 43/4" Crossarm to Hook	3, 15
†4015	Jaw, 494 Clossarin to Hook	3,20
†4016	Jaw, 73/6" Crossarm to Hook	0.20
4017	Timing Gear Jaw, 7%6"	
2017	Crossarm to Hook	3.20
14010	Cap Screw Jaw, 3"	
†4018	Crossarm to Hook	3.20
	CI I D == 13/" +51/" +19"	2,30
4019	Steel Box, 13/4"x51/2"x12"	-1- f
Onen Sto	ck. †Has Extra Hole Near Ho	OK 10L
D. Ming I	aws Together and Extending	Reach.
Bolting a	and rogermen	

# PROTO TOOLS

No. 4010B Heavy-Duty Puller Set



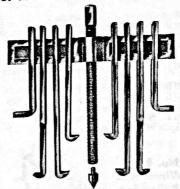
Includes No. 4011 crossarm, No. 4012 screw with detachable tip, two No. 4015 jaws and two No. 4016 jaws. Wt., 8.5 Lbs. One Set in a Cardboard Roy Cardboard Box. Each \$21.00

# No. 4010C Heavy-Duty Puller Set

Cap screw jaws permit pushing out sleeves, shafts, bearings and other sub-assemblies in snaits, bearings and other sub-assembles in tractor, automotive and industrial work. Includes No. 4011 crossarm, No. 4012 screw with detachable tip, two No. 4015 jaws and two No. 4018 cap screw jaws. Wt., 7.7 Lbs. One Set in a Cardboard Box....... Each \$21.00

# No. 4030A Heavy-Duty Puller Set

Includes No. 4011 crossarm, No. 4012 screw with detachable tip, two No. 4015 jaws, two No. 4016 jaws, two No. 4017 timing gear jaws, two No. 4018 cap screw jaws and No. 4019 steel box. Wt., 14.4 Lbs. One Set in a Box. Each \$36.15



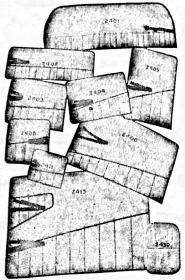
Same as Set No. 4030A, except without No. 4019 steel box. Wt., 12.6 Lbs. One Set in a Cardboard Box. ..... Each \$33.85

#### No. 1526 Panel Cutting Chisel



Rugged alloy steel ripping chisel. Length, 14". Wt., 1.14 Lbs. Six in a Box. ..... Each \$1.80

# Kits for Tool Sets



Use of vinyl plastic offers many advantages—flexibility; unusual durability; long wear; no cracking, peeling, scratching or scuffing; resistance to oil and grease, and easy cleaning. Flaps are little longer than tools they are to hold, eliminating fold-under flap objections.

NO.	WIDTH	DEPTH	POCKETS	EACH
	251/2"	121/2"	23	\$2,70
2401	2072		12	1.45
2402	16"	71/2"		
	101/4"	8"	7	.90
2403		10"	7	1.25
2404	121/4"		5	1.55
2405	10"	15"		
2406	221/2"	15"	10	2,85
	8"	9"	4	.95
2408			9	1.10
2410	93/4"	6"		
2411	7"	71/4"	5	.65
	25"	181/2"	15	3,95
2413		10/2	March - 17	
Open	Stock.			

# No. 2450 Belt-Type Leather Kit

For carrying tools on job. Has four belt slots and three pockets. Made of red top-quality leather. Width, 7", Depth, 9". Wt., .16 Lb. Open Stock. ..... Each \$1.50

# Nobile Tool Cabinets Mobile Tool S. Pat. Off.



9968A Complete "Toolmobile" Assembly

Save hours by taking tools to job, and prerent tool losses. Interchangeability of drawers
feature makes every "Toolmobile" a custombuilt cabinet for owner. Easy-to-move drawer
runners, that fit into notches spaced every 2",
permit any of three sizes of drawers to be
installed in any combination or arrangement.
Made of heavy-gauge welded steel, strongly
reinforced at critical points. Four-roller
drawers move at finger's touch. Rubber 5"
casters on ball-bearing swivel plates. Footoperated brakes on two casters. Single-lock
front closes entire cabinet. Red finish, with
chrome trim. Dimensions without light assembly—28"x18"x36"/8" high. Three types of
complete assemblies available, as listed below.

#### CONTENTS OF "TOOLMOBILE" ASSEMBLIES

9968 Basic Cabinet with Masonite Cover, Drop Front, Lock, Two Keys, Four Casters and Two Handles, Plus 9968-1 Shallow Drawer and Runners, 9968-2 Medium Drawer and Runners, and 9968-4 Drawer Divider Set. One in a Carton. Each \$99.50

#### INDIVIDUAL "TOOLMOBILE" PARTS

9968-1 Shallow 215%"x16"x1½" Drawer and Runners. Each \$8.25
9968-2 Medium 215%"x16"x3½" Drawer and Runners. Each \$9.10
9968-3 Deep 215%"x16"x5½" Drawer and Runners. Each \$10.60
9968-4 Drawer Divider Set. Each \$10.60
9968-5 Light Assembly with Flexible Gooseneck, Reflector, Two Outlets and 8' Cord. Each \$12.75
All Parts—One in a Carton.

Socket-Holding Racks

Slip over edge of tool box or partition, or can be put on wall or bench. Sockets fit firmly on the same of the sam

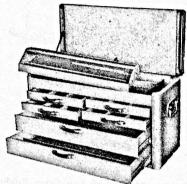
5297 SOCKET SIZE 5497 Sq. Drive Open Stock.	LENGTH 181/4" 191/4"	\$ .80
ben Stock.	19/4	1,00

### PROTO TOOLS

# All-Purpose Tool Chests

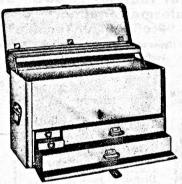
Top quality, for professional tool users. Great strength and rigidity secured by heavy-gauge sheet steel, welded construction and reinforcing. Designed for maximum utility of space. Telescope-action slides make drawers easy to move. Corners rounded for streamlined appearance. Red finish.

#### No. 9997 Master Tool Chest



Has two 23¼″x10¾″x2¾″ two-section drawers, four 11½″x10½″x1½″ three-section drawers, a 21½″x8½″ three-section tote tray with non-tilt handle, and a three-section top compartment. Top has full-length, piano-type hinge. Drop front covers all drawers when top is lowered. Tumbler lock secures chest in three places. Dimensions, 27″x12″x15″ high. Wt., 70 Lbs. One in a Carton....... Each \$62.50

#### No. 9990 Master Tool Chest



Has two 3¾"x10½"x1½" drawers, a 16½"x 10½"x2½" drawer, a 20½"x10½"x2½" drawer, a 24½"x11½"x7" compartment in top half, and a 23½"x5½"x1¾" tray with compartments for sockets. Tray swings out of way when lid is opened. Raise front covers bottom drawers. Hasp secures entire chest. Dimensions, 24½"x11½"x13½" high. Wt., 37 Lbs. One in a Carton. \$27.80

#### Nos. 9970 and 9971 Hip-Roof Tool Boxes

Handy for taking tools to job. Hold amazing number of tools. Strong fullength hinges. Useful tote tray lifts out.



9971

NO. DIMENSIONS EACH 9970 20"x6"x514" \$6.35 9971 19"x7"x834" 7.75 One in a Carton.

#### No. 9989 Master Tool Chest

Has 20"x11"x6" bottom compartment, 19"x 5½"x1½" removable tray that gives access to bottom compartment, 20"x 434"x2½" compartment in top rear and 19"x 5½" x 1½" hinged tray that lifts backward

when lid is opened. Hinged front permits locking entire chest. Dimensions, 201/2"x111/2"x9" high. Wt., 20 Lbs. One in a Carton.

Each \$13.00

#### No. 9980 Utility Tool Chest

Has 22"x4"x 1 1%" fixed tray with fulllength socket partition. Balance of chest is large compartment. 614" high at front. Parti-

tion divides bottom. Drop front and hasp allow locking of entire chest. Dimensions, 22½"x9"x6½" high. Wt., 11 Lbs. One in a Carton............. Each \$9.95

#### No. 5494 Junior Standard Tool Box



#### No. 5295 Cub Tool Box



For %" drive sockets and attachments. Strength increased by die-formed construction, end reinforcing flanges and rounded corners. Socket compartment and spring hasp. Dimensions, 17% x5¼ x13%. Wt., 1.83 Lbs. One in a Carton. ________ Each \$2.65

#### No. 4795 Midget Tool Box

For 1/4" drive sockets and attachments.



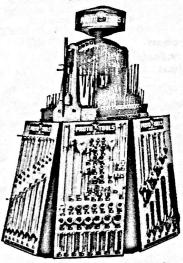
Separates smaller tools from others. Dimensions, 6¾"x2¾"x1". Wt., .52 Lb. One in a Carton. Each \$ .85

# **Tool Merchandisers**

Designed especially for retail stores, PROTO tool merchandisers produce big profits from a low investment. By attracting regular tool users and creating many extra impulse sales, they effect an amazingly rapid turnover.

Balanced stocks include only the fastest-Balanced stocks include only the fastest-selling tools. They meet the needs of most users, and their professional quality appeals to all buyers. The three "Toolmarts" may be ordered with either a low-cost starting stock or a more complete standard stock.

#### No. SD3 "Star Salesman Toolmart"



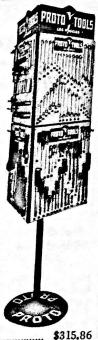
For counter or table. Has seven 1'x2' plywood display boards and two-sided rack, in natural wood lacquered finish with green trim. Flasher light in top. Height, 47". Diameter, 38". Shipping Wt. with S1 Starting Stock, 180 Lbs. Shipping Wt. with S2 Standard Stock, 233 Lbs. Shipped in Cartons.

Retail Value of Stock ...... \$315.86

# No. SD1 "Profit Maker Toolmart"

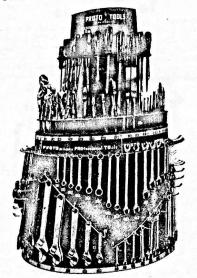
Three-sided floor-type, with heavy metal base. Has six 2'x2' plywood display boards, in natural wood lacquered finish with green trim. Three large trademark signs on top. Takes only 2 sq. ft. of floor space. Shipping Wt. with S1 Starting Stock, 174 Lbs. Shipping Wt. with S2 Standard Stock, 227 Lbs. Shipped in Car-

Retail Value of Stock .....



# PROTO TOOLS

No. SD4 "Rotomat Toolmart"



For counter or table. Modern design, brightly For counter or table. Modern design, brightly finished in yellow, red, blue and white. Flasher light in translucent plastic top section. Principal material, Tekwood. Height, 40". Diameter, 30". Shipping Wt. with S1 Starting Stock, 150 Lbs. Shipping Wt. with S2 Standard Stock, 203 Lbs. Shipped in Cartons.

Retail Value of Stock ...... \$315.86

S1 Starting Stock and S2 Standard Stock for SD4 "Rotomat Toolmart," SD3 "Star Salesman Toolmart" or SD1 "Profit Maker Toolmart"

(Types and Sizes in Both Stocks—187. Total Tools in S1 Starting Stock—239. Total Tools in S2 Standard Stock—404.)

STOCK QUANS.

1	4.5 C 10 C		210CK C	UANS.
-	ITEM NO.	DESCRIPTION	START.	STD.
1		CHISELS		
I	=14	All-Steel Chisel, 3/4" Cut	1	1
I	5½ 55/8	All-Steel Chisel, 1" Cut	1	1
I	721/4	All-Steel Chisel, 1" Cut Cape Chisel, 52" Cut	1	1
l	723/8	Cape Chisel, 4" Cut	1	1
ı	761/4	Diamond Chisel, %2" Cut	1	1
	763/8	Diamond Chisel, 14" Cut	1	1
	86A3/1		1	2
	86A1/4		1	2
	86A5/1	6 Cold Chisel, 3/8" Cut	2	4
	86A3/8	Cold Chisel, 1/6" Cut 6 Cold Chisel, 1/2" Cut	2	4
	86A7/1	Cold Chical 54" Cut	3	6
	86A1/2	Cold Chisel, 58" Cut Cold Chisel, 34" Cut	3	5
	86A5/8 86A3/4	Cold Chisel, /4 Cdu		
	x71/2	Cold Chisel, 7/8" Cut	2	3
	OFF	SET AND KEY RING SCREWD	RIVERS	5
	351/4	Offset Screwdriver, 1/4" Bits	1	1
	361/4	Offset Screwdriver, 1/4" Bits	1	1
	100	Key Ring Screwdriver	6	6
		PUNCHES		
	411/4	Center Punch, 41/4" Long	1	3
	415/16	Center Punch, 45%" Long.	1	3
	413/8	Center Punch. 476" Long.	2	5
	417/16	Center Punch, 51/4" Long	1	2
4	111/2	Center Punch, 5% Long	1	2
4	141/4	Prick Punch, 43/4" Long	1	3 5 2 2 2 1
	45/16	Prick Punch, 5" Long	1	
4	43/8	Prick Punch, 51/4" Long	1	2

		STOCK O	UANS
NO.	DESCRIPTION	START.	STD S2
471/4X 1/16	Rivet or Pin Punch, 43%" Lg	. 1	2
47 ¹ / ₄ x ³ / ₃₂ 47 ⁵ / ₁₆		. 1	3
1/2	Rivet or Pin Punch, 51/4" Lg	. 3	5
475/16 5/32	Rivet or Pin Punch, 55%" Lg	. 1	3
473/8X 3/16	Rivet or Pin Punch, 61/8" Lg	. 2	4
477/16	Rivet or Pin Punch, 65%" Lg	. 1	2
47 ¹ / ₂ x 1/ ₄ 50 ¹ / ₄ 50 ⁵ / ₁₆ 50 ³ / ₈ 96 ¹ / ₄ 96 ⁵ / ₁₆ 96 ³ / ₈ 96 ⁷ / ₁₆ 96 ¹ / ₂	Rivet or Pin Punch, 7" Lg Starting Punch, ½" Point. Starting Punch, ½" Point. Starting Punch, ½" Point. Drift Punch, ½" Point	1 1 1 1 2	2 1 2 2 2 3 3 2 3
241 246 260 266 268 275 276	Thin Nose Slip Joint, 5" Thin Nose Slip Joint, 6" Diagonal Cutting, 6" Diagonal Cutting, 7" Heavy Diagonal Cutting, 7' Needle Nose Side Cutting, 6' Slip Joint Ignition, 4½" Slip Joint Wrench, 8" Heavy Water Pump, 9½" Light Water Pump, 9½" Side Cutting Combination, 6' Thin Nose Telephone, 6" Lineman's Side Cutting, 6" Slip Joint, 5" Slip Joint, 6" Slip Joint, 8" Slip Joint, 8" Slip Joint, 8"	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 33 22 32 21 11 12 44 32

### ADJUSTABLE WRENCHES AND

	PIPE WRENCHES
704	Adjustable Wr., 4", Plated. 1
704S	Some og 704. in Semi-Fillish.
706	Adjustable Wr., b", Flateu.
706S	Same as 7(lb. In Delli-Tillish.
708	Adjustable Wr. 8 . I laucu
708S	Como os 708 in Seini-Finish.
710	Adjustable Wr., 10", Flavou
710S	Sama as 710 in Seini-Fillish.
712	Adjustable Wr. 12", Flateu.
712S	Same as 712. In Semi-Times.
806	Pine Wrench, D"
808	Pine Wrench, 8"
810	Pine Wrench, 10"
814	Ding Wrench, 14"
818	Pipe Wrench, 18"

3

5

5

# BOX AND COMBINATION BOX AND OPEN END WRENCHES

120 Box Wrench, \( \frac{5}{6} \) "x\( \frac{3}{8} \)"
1122 Box Wrench, \( \frac{3}{6} \) "x\( \frac{3}{8} \)"
1125 Box Wrench, \( \frac{3}{6} \) "x\( \frac{3}{8} \)"
1125L Long Box Wrench, \( \frac{1}{6} \) "x\( \frac{3}{2} \)"
1126L Long Box Wrench, \( \frac{1}{6} \) "x\( \frac{3}{2} \)"
1126L Long Box Wrench, \( \frac{1}{2} \) "x\( \frac{3}{6} \)"
1130 Box Wrench, \( \frac{3}{6} \) "x\( \frac{3}{8} \)"
1131 Box Wrench, \( \frac{3}{6} \) "x\( \frac{3}{8} \)"
1208 Combination Wrench, \( \frac{3}{6} \)"
1210 Combination Wrench, \( \frac{3}{6} \)"
1212L Long Combination Wrench, \( \frac{3}{6} \)"
1214L Long Combination Wrench, \( \frac{1}{6} \)"
1216C Combination Wrench, \( \frac{1}{6} \)"
1216L Long Combination Wrench, \( \frac{1}{6} \)"
1216L Long Combination Wrench, \( \frac{1}{6} \)"
1216L Combination Wrench, \( \fra 1216L Long Combination Wr., 1218 Combination Wrench,

Stock Listing Continued on Next Page

# PROTO TOOLS

Starting Stock and S2 Standard Stock for SD4 "Rotomat Toolmart," Stock for Salesman Toolmart" or Sp3 "Profit Maker Toolmart" —Continued

	STOCK Q	
ITEM DESCRIPTION	START.	STD.
III. COMBINATION BO	X AND	
Long Combination Wr., %6	. 1	3
1222 Combination Wrench 3/4	. 1	2 2 1
1224 Combination Wrench, 13/6 Combination Wrench, 13/6 Combination Wrench, 13/6 Combination Wrench, 15/6 Combination Wren	: i	2
THE RAP AND SCRAPE	R	
2116 Pry Bar, 16" Long Scraper, 1½" Wide Blade.	. 1	1
SAND AND TAPPET WE	ENCHES	1
3016 Open End Wrench, 346" x 1/4" 3018 Open End Wrench, 1/4 "x 5/6" 3020 Open End Wrench, 5/6" x 3/8" 3021 Open End Wrench, 3/6" x 3/6"	. 1	2 3
3020 Open End Wrench, 3/8" x7/6	. 2	4
3025 Open End Wrench, 16" X 1/2	. 2	6
3026 Open End Wrench, %6" x 58	. i	3
3031 Open End Wrench, %"x34"	· 1	1
3030 Open End Wrench, %"x34" 3031 Open End Wrench, 18"x34" 3035 Open End Wrench, 116"x34 325 Tappet Wrench, 16"x34" 325 Tappet Wrench, 16"x94"	1-1	2
3420 Tappet Wienen, 72 1716	100	2
5014 Deep Socket, 12-Pt., 76" O		1
5016 Deep Socket, 12-Pt., ½" O	p. 1 p. 1	1
5014 Deep Socket, 12-Pt., ½" O 5016 Deep Socket, 12-Pt., ½" O 5018 Deep Socket, 12-Pt., ½" O 5020 Deep Socket, 12-Pt., ½" O 5212 Socket, 12-Pt., ½" Opening 5214 Socket, 12-Pt., ½" Opening 5216 Socket, 12-Pt., ½" Opening 5218 Socket, 12-Pt., ½" Opening 5220 Socket, 12-Pt., ½" Opening 5221 Socket, 12-Pt., ½" Opening 5222 Socket, 12-Pt., ¾" Opening 5223 Socket, 12-Pt., ¾" Opening 5224 Socket, 12-Pt., ¾" Opening 5226 Screwdriver Socket, ¼" Bi	p. 1	i
5212 Socket, 12-Pt., 3/8" Opening 5214 Socket, 12-Pt., 3/8" Opening	g. 1 g. 1	1
5216 Socket, 12-Pt., 1/2" Opening	g. 1	2
5218 Socket, 12-Pt., %" Opening 5220 Socket, 12-Pt., 5%" Opening	g. 1 g. 1	2
5222 Socket, 12-Pt., 11/16" Opening	ng 1	î
5224 Socket, 12-Pt., 3/4" Opening	g. 1 t. 1	1
5249 Reversible Retabet 7" To	.~ 1	1
		1
THING DANGIE 70%" LONG		1
5275 Universal Socket, 1/2" Op 5276 Universal Socket, 9/6" Op	$\begin{array}{ccc} \cdot & 1 \\ \cdot & 1 \end{array}$	1
" DRIVE COCKETO		
541 Deep Socket, 12-Pt., \$6" O 543 Deep Socket, 12-Pt., \$5" O 544 Deep Socket, 12-Pt., \$4" O 545 Deep Socket, 12-Pt., \$4" O 546 Deep Socket, 12-Pt., \$4" O 546 Deep Socket, 12-Pt., \$6" O 547 Deep Socket, 12-Pt., \$6" O 548 Deep Socket, 12-Pt., \$6" O 549 Deep Socket, 12-Pt., \$6" O 540 Socket, 12-Pt., \$6" O 541 Socket, 12-Pt., \$6" O 542 Socket, 12-Pt., \$6" O 543 Socket, 12-Pt., \$6" O 544 Socket, 12-Pt., \$6" O 544 Socket, 12-Pt., \$6" O 544 Socket, 12-Pt., \$6" O 545 Socket, 12-Pt., \$6" O 546 Socket, 12-Pt., \$6" O	p. 1	1
5344 Deep Socket, 12-Pt., 58" O	p. 1 p. 1	2
5345 Deep Socket, 12-Pt., 116" O	p. 1	1
5348 Deep Socket, 12-Pt., 18/16" O 5349 Deep Socket, 12-Pt., 78" O	p. 2 p. 1	3 2
5351 Deep Socket, 12-Pt., 15 6" O	p. 1	1
5414 Socket, 12-Pt., 1" Op 5416 Socket, 12-Pt., 7,6" Opening	1	1
5418 Cocket, 12-Pt., 1/2" Opening	7 1	2 3
5420 Socket, 12-Pt., % Opening 5421 Socket, 12-Pt., 5% Opening	g. 2 g. 1	3 2
5422 , Socket, 12-Pt., 21/2" Openin	ng 1	1
5424 Socket, 12-Pt., 11/6" Openin 5426 Socket, 12-Pt., 34" Openin	ng 1	2
5428 GUCKET, 12-Pt. 18/11 A	g. 2 ng 1	3
5430 Socket, 12-Pt., 78" Openin 5432 Socket, 12-Pt., 15/8" Openin	g. 1	1
\$434 Socket, 12-Pt., 156" Opening \$436 Socket, 12-Pt., 1" Opening	ng 1	1
80cket, 12-Pt., 116" Opening	ng 1	1
Reversity Pt., 114" Opening	ng 1	1
		2
Extension, 5" Long	$\begin{array}{ccc} \cdot & 1 \\ \cdot & 1 \end{array}$	1
		45

				· West		TOCK Q	UANS.
ITEM NO.	DESCRIPTION	STOCK C		ITEM NO.	DESCRIPTION	START.	\$TD. \$2
5463	Extension, 10" Long	1	1	9651	Square 1" Blade, %2" Bit	1	3
5467	Hinge Handle, 15" Long		1	9652	Square 1½" Blade, ½" Bit. Rd. ½" Blade, Phillips #2 Bit.	1	1
5470	Universal Joint	. 1	1	9671	DA 2" Riade Phillips #1 Div	_	4
	PIPE AND SCREW EXTRACT			9682	Dd 4" Blade, Phillips #4 Div	-	4
9521	238" Long, 18" Drill Size	. 1	3	9804	Square 4" Blade, %2" Div	-	4
9522	2% Long, % Drill Size	. 1	3	9806	Square 6" Blade, 1/2 Div.	-	2
9523 9524	278" Long, 154" Drill Size.	. 2	3	9808	Square 8" Blade, 13%2" Bit.	î	2
9525	3" Long, 16" Drill Size	. 1	3	9822	Square 21/2" Blade, 18" Bit.	î	3
,020	3¼" Long, 13/2" Drill Size.		0	9832	Square 4" Blade, 1/2" Bit Square 71/2" Blade, 1/32" Bit.	1	1
	PLASTIC-HANDLE SCREWDRI			9833	Square 9" Blade, %2" Bit	1	1
9604	Round 4" Blade, 92" Bit	. 3	6	9842	WOOD-HANDLE SCREWDRIV	ERS	
9608	Round 6" Blade, 11,2" Bit	. 2	5		WOOD-HANDLE SCREW Bit	1	1
9622	Round 8" Blade, 13/2" Bit Round 21/2" Blade, 18" Bit	. 1	1	9701	Square 1½" Blade, ½" Bit. Square 2½" Blade, ½" Bit.	ĩ	3
9624	Round 4½" Blade, ½" Bit	. 1	3 2	9702	Square 4" Blade, %2" Bit	2	4
9632	Round 4" Blade, 16" Bit	. 2	4	9704	Square 6" Blade, 110" Bit	1	2
9633	Round 71/6" Blade, 3/6" Bit	. 1	i	9782	Rd. 3" Blade, Phillips #1 Bit	C I	3
9643	Round 10" Blade, 11,2" Bit.	. i	î	9784	Rd. 4" Blade, Phillips #2 Bit	; 1	3

# **Chart of Standard & Nominal Sizes**

Gives Standard Bolt, Nut and Screw Sizes, Corresponding to Nominal Sizes Marked on PROTO Wrenches and Sockets

Locate thread diameter of bolt, nut or screw in extreme left column. Then move across to box which has proper identification of bolt, nut or screw at top of vertical column. The size in this particular box is nominal opening size in inches of PROTO wrenches and sockets that will fit.

		NO	IN	INCHES	SIZE OF WI TO FIT STA	ANDARD			
	YET I		AF	AERICAN STA	NDARD SERIES			TANK SAIL	M
	HI	EAVY	REGU	JLAR	LIGHT		HEN THE LAND	THE PARTY	
THREAD DIAM. OF BOLT, NUT OR SCREW	SQ. & HEX. BOLT HEADS	SQ. NUTS & HEX. NUTS, JAM NUTS & SLOTTED NUTS USS NUTS	SQ. & HEX. BOLT HEADS (MACH. BOLT HEADS)	SQ. NUTS & HEX. NUTS, JAM NUTS & SLOTTED NUTS	HEX. NUTS, JAM NUTS, SLOTTED NUTS & CAS- TLE NUTS NAT. FINE (SAE THR.)	HEX. FULL FIN- ISHED CAP SCREW HEADS	SQ. & HEX. MACHINE SCREW NUTS & SQ. STOVE BOLT NUTS	SQ. SET SCREW HEADS	SQ. LAG BOLT HEADS
#0 & 1	·	a		1			5/32		
#2 & 3	4	1 2 g 17 g 10 m	ogen tegen	-			3/16	11.12	
#4				3 I			1/4		· · · · · ·
#5 & 6		/ - Th	T	<b>1</b>			5/16		70
#8	24						11/32		
#10			Y	30		441.3.47	3/8		5/16
#12	A ?	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(C	G 1	·		1/16	7	
1/4"	(A.C., 1)	1/2	3/8	7/16	7/16	7/16	7/16	1/4	3/8
5/16"	A	19/32	1/2	9/16	1/2	1/2	9/16	5/16	1/2
3/8"	7	11/16	9/16	5/8	9/16	9/16	5/8	3/8	9/16
7/16"		25/82	5/8	3/4	5/8	5/8		7/16	5/8
1/2"	1/8	7/8	3/4	13/16	3/4	3/4	1000000	1/2	3/4
9/16"	15/16	15/16†	1/8	7/8	1/8	13/16	0.87.3	9/16	7/8
5/8"	11/16	11/16	15/16	1	15/16	1/8	and the second	5/8	15/16
3/4"	11/4	11/4	11/8	11/8	11/16	42.01	W	3/4	11/8
7/8"	17/16	17/16	15/16	15/16	11/4	11/8		7/8	15/16
1"	15/8	15/8	11/2	11/2	17/16	15/16	9.3	1	11/2
11/8"	113/16	113/16	111/16	111/16	15/8	11/2	100000	11/8	111/16
11/4"	2	2	11/8	11/8	113/16	111/16		11/4	13/8
13/8"	23/16	23/16	21/16	21/16	2			13/8	
11/2"	23/8	23/8	21/4	21/4	23/16			11/2	-
15/8"	29/16	29/16	21/16	21/16		Topic ii	247	44 67	Karije La
13/4"	23/4	23/4	25/8	25/8		8-Point	Sockets Ar	a Heel a	0
17/8"	215/16	215/16	213/16	213/16	Bolt	Heads, 1	Nuts and S	Screw He	n oqua
2"	31/8	31/8	3	3					
21/4"	31/2	31/2	33/8	33/8		Bolt He	t Sockets A	Are Used	on He
21/2"	37/8	31/8	33/4	33/4					w Head
23/4	41/	41/4	41/9	41/8	†Does	Not App	ly to USS	Nuts	200

41/2

45/8

# CHALLENGER TOOLS

Forged from fine tool steels and heat treated for greater strength. Balanced ... accurate ... dependable, A line of fine quality tools at economical cost.

#### 3/8 INCH SQUARE DRIVE

#### Sockets

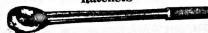


Thin wall. Mirror chrome finish.

#### 12 Point Standard

	Size	
No.	Inches	Each
1212	3/4	\$ .40
1214	3/8 7/16	.40
1216	1/2	.40
1218	9/14	.40
1220	5/4	.40
1222	11/4	.50
1224	5/8 11/4 3/4	.50

#### Ratchets



Round head. Thumb tip reverse. Mirror chrome finish. Length, 7½ inches. No. 1260 Wt. Ea.,8% Ounces Each \$4.60

#### Flex Handles

Ball and spring hold hinged drive plug at any desired position. Satin chrome finish. Length, 10 inches.

No. 1270 Wt. Ea., 7 Ounces Each \$2.20

#### Extensions

Gives longer reach where desired. Satin chrome finish. Length, 6 inches.

No. 1266 Wt. Ea., 34 Ounces Each \$1.00

#### 1/2 INCH SQUARE DRIVE

#### Sockets





Thin wall. Mirror chrome finish.

# 12 Point Standard

	Size	
No.	Inches	Each
1614	7/16	\$ .45
1616	1/2	.45
1618	9/16	.50
1620	5/	.60
	11/16	.60
1622	3/4	.65
1624	13/16	.70
1626	7/16	.75
1628	14	.75
1630	15/16	.80
1632	1	.00
	12 Point Extra De	ер
1800	5/8	1.05
1720	11/16	1.05
1722	3/4	1.05
1724	13/16	1.10
1726	7/16	1.30
1728	74	1.45
1730	15/16	1.50
1732	1	1.50

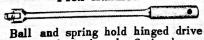
#### Ratchets



Round head. Thumb tip reverse. Mirror chrome finish. Length, 101/4

No. 1660 Wt. Ea., 1% Lbs. .... Each \$5.40

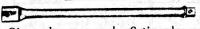
#### Flex Handles



plug at any desired angle. Satin chrome finish. Length, 16 inches.

No. 1670 Wt. Ea., 1% Lbs... Each \$3.25

#### **Extensions**



Gives longer reach. Satin chrome finish. Length, 51/2 inches.

No. 1666 Wt. Ea., 1/2 Lb. ..... Each \$ 1.10

#### SOCKET SETS

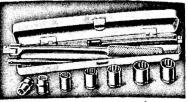
#### 1/4 Inch Square Drive



Consists of a metal box, a 51/2 inch flex handle with a 3 inch cross bar, a reversible ratchet, a 6 inch extension and the following sockets: six 6 point,  $\frac{1}{4}$ ,  $\frac{9}{22}$ ,  $\frac{5}{16}$ ,  $\frac{11}{22}$ ,  $\frac{9}{6}$ ,  $\frac{7}{16}$  inch; and three 8 point,  $\frac{1}{4}$ ,  $\frac{5}{45}$ ,  $\frac{3}{8}$  inch.

No. 2004 Wt. Ea., 14 Lbs. .. Each \$6.95

#### 3/8 Inch Square Drive



A basic set consisting of a sturdy metal box, a 10 inch flex handle with a 6 inch cross bar, a 6 inch extension and seven 12 point sockets: %, 1/16, 1/2, %, 5%, 11/16, % inch.

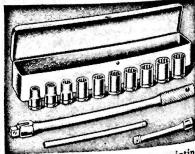
No. 2021 Wt. Ea., 21/4 Lbs. .. Each \$6.40

#### No. 2023

A general purpose set consisting 11/16, 3/4 inch.

No. 2023 Wt. Ea., 4% Lbs. Each \$15.30

#### 1/2 Inch Square Drive



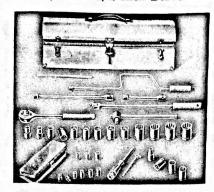
A set for all-around use consisting of a rugged steel box, a 16 inch flex handle with an 8 inch cross bar, a 5% inch extension and ten 12 point sockets: 7/6, 1/2, 9/6, 5/8, 11/16, 3/4, 15/4, 1 inch %, 15/16, 1 inch.

No. 2040 Wt. Ea., 61/4 Lbs. Each \$10.50

#### CHALLENGER TOOLS

SOCKET SETS

1/4 and 1/2 Inch Drive



A balanced combination set for general purpose use, both fine adjustment and heavy duty work.

¼ inch tools include: 6 inch spinner handle, 4 inch slide bar, six 6 point sockets: ¼, ½, ½, ¼, 1½, ½, 3 and ¼, 3 three 8 point sockets: ¼, ½, and ¾, all in a metal box.

½ inch tools include: 10 inch reversible ratchet, 16 inch flex handle, 18 inch speeder, 9 inch slide bar, 8 inch cross bar, 5½ and 11 inch extensions, thirteen 12 point sockets: 7½, ½, 9½, 1½2, 1½6, ¾, 1¾6, ¾, 1¾6, ¾, 1¾6, ¾, 1¾6, ¾, 1¾6, ¾, 1¾6, ¾, 1¾6, ¾, ¾, and 1½6, four 8 point sockets: ½, ¾6, 5½, ¾, and a hip roof metal box with tote tray.

No. 2060 Wt. Ea., 17% Lbs. Each \$35.55

1/2 Inch Hex Drive



Consists of a metal container, ell handle with double service ends and eight sockets:  $\frac{7}{16}$ ,  $\frac{1}{2}$ ,  $\frac{9}{16}$ ,  $\frac{5}{8}$ ,  $\frac{11}{16}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$  and  $\frac{18}{16}$  inch.

No. 9125 Wt. Ea., 11/2 Lbs. .. Each \$2.00

No. 9130

No. 9130 Wt. Ea., 2 Lbs. .. Each \$3.45

1/4 and 1/2 Inch Hex Drive



A general purpose set for work on auto, home and farm.

1/4 inch tools include a metal container, ell handle with double service ends, and seven hex drive sockets: 1/4 inch square, 1/4 inch hex, round knurled universal, 5/4, 11/2, 1/4 and 1/4 inch.

½ inch tools include a metal container, ell handle with double service ends, ratchet, ratchet adapter, and eight hex drive sockets: 7/16, ½, 9/16, 5%, 11/16, ¾, % and 18/16 inch.

No. 9135 Wt. Ea., 21/2 Lbs... Each \$4.00

# WRENCH SETS Open End

Light weight yet great strength. Thin narrow heads, pointed jaws, extra length for leverage. Nickel plated. Polished heads. With metal clip holder.



Large range six piece set: % to 1 inch.

No. 5100 Wt. Ea., 1 Lb. .... Each \$3.30

No. 5103

Medium range five piece set: 1/4 to 1/4 inch.

No. 5103 Wt. Ea., 1 Lb. ... Each \$2.10

#### Combination

Double duty wrenches, 12 point box ends for tightening or loosening nuts and open ends for fast turning. Narrow heads, drop forged and heat treated, mirror smooth chrome finish. With metal clip holder.

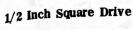


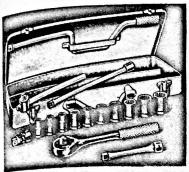
Five piece set consisting of sizes: 1/46, 1/2, 1/46, 3/4 and 11/16 inch.

No. 6005 Wt. Ea., 11/4 Lbs... Each \$3.35

#### No. 6006

Six piece set consisting of sizes: %, %, %, 1½, and % inch.
No. 6006 Wt. Ea., 1½ Lbs... Each \$4.20





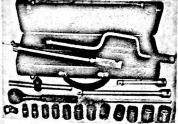
A general purpose set consisting of a rugged steel box, a round head reversible ratchet, an 18 inch speeder, a 9 inch slide bar, a 5½ and an 11 inch extension, a universal joint and ten 12 point sockets as listed in Set No. 2040.

No. 2043 Wt. Ea., 91/2 Lbs. Each \$18.80

#### No. 2049

A basic "extra-deep" set consisting of a metal box, an 8% inch ell handle and five 12 point sockets: 5%, 11%, 11% 15% inch.

No. 2049 Wt. Ea., 34 Lbs. .. Each \$7.65



A more complete set for automotive, farm and general use consisting of a rugged steel box, a thumb tip reversible ratchet, a 5½ inch and an 11 inch extension, a 16 inch flex handle with an 8 inch cross bar, an 18 inch speeder, a 9 inch slide bar, a universal joint and twelve 12 point sockets: 7/16, ½, 1/16, 1/2, 5/4, 1/2, 5/4, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, ½, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1/16, 1

No. 2045 Wt. Ea., 14% Lbs. Each \$25.00 No. 2046